BUC Product Catalogue

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C-Band BUC Model Numbering

The C-Band BUC model numbering system is designed to provide unambiguous identification of BUC variants and options.

The C-Band BUC options and variants include:

RF output power:	10 W and higher
RF output connector:	WR137 waveguide or N-type coaxial
RF frequency band:	Standard: 5.850 to 6.425 GHz or Extended: 5.850 to 6.725 GHz
Power supply:	18 to 60V DC, 48V DC or AC mains
Power connector:	Via IF input N connector or external power connector
CE certification:	CE certified or not certified

The BUC model number format is shown below. The model number comprises the base model number plus groups of option letters to show the particular options fitted.

The first group of digits specifies the basic BUC model and its RF output power rating, the second group specifies the RF output options and the third group specifies the power supply options. Finally, an additional character group is appended to indicate CE certification and/or special variants or options, to be used if only if needed.

Not all possible model combinations are available even though those combinations may be valid ones (e.g. the C-Band RBUCs are not available in a CE certified version). To assist with ordering, the C-Band BUC models that are available are shown on the following pages.

M7PPV-X/Y-AA/BB-GG-ZZ

Model Extension Variant

Special variants or options:
- Code allocated/**use only as required**
- **LB** for AC powered LBUCs
- **NI** for non-inverting BUCs

CE certified (use only if CE certified):
- **CE** for CE certified version
- Proceed directly to special variants if not CE certified

Power connector:
- **EX** for power fed via external connector

Operating voltage:
- **48** for 48V DC powered
- **DC** for 18 to 60V DC powered
- **AC** for AC powered

Frequency range:
- **S** for Standard band
- **E** for Extended band

RF output connector:
- **N** for N-type coaxial connector
- **W** for waveguide

Variant (use only if there is a variant):
- A letter representing RF output power rating (e.g. 20**H** to designate 200 W instead of 20 W) or options such as **L** for LAN

RF output power:
- Two digits representing RF output power rating (e.g. **10** for 10 W)

Placeholder ("7" for C-Band)

Model Group:
- **4** for Mini-BUC
- **6** for MBUC & LBUC
- **7** for RBUC

C-Band BUCs Ordering Guide

Model Number	Output Power (W)	Output (N-type or Waveguide)	Freq Band		Lo Freq Selectable					Power Supply			Power Connector (IF N-type or External Connector)	LAN
			Std: 5.850–6.425 GHz	Ext: 5.850–6.725 GHz	4.900 GHz	7.300 GHz	7.375 GHz	7.600 GHz	7.675 GHz	48 V DC	18 to 60 V DC	AC		
4710-W/S-DC/EX-NI	10	W	*		*						*		EX+IF	N
6710-W/S-48/EX	10	W	*			*	*			*			EX+IF	N
6710-N/S-48/EX	10	N	*			*	*			*			EX+IF	N
6710-W/E-48/EX-CE	10	W		*		*	*	*	*	*			EX+IF	N
6710-N/E-48/EX-CE	10	N		*		*	*	*	*	*			EX+IF	N
6720-W/S-48/EX-CE	20	W	*			*	*			*			EX+IF	N
6720-N/S-48/EX-CE	20	N	*			*	*			*			EX+IF	N
6725-W/E-AC/EX-CE	25	W		*		*	*	*	*			*	EX	N
6725-N/E-AC/EX-CE	25	N		*		*	*	*	*			*	EX	N
6740-W/S-48/EX	40	W	*			*	*			*			EX	N
6740-N/S-48/EX	40	N	*			*	*			*			EX	N
6740-W/E-48/EX	40	W		*		*	*	*	*	*			EX	N
6740-N/E-48/EX	40	N		*		*	*	*	*	*			EX	N
6740-W/S-AC/EX-LB	40	W	*			*	*					*	EX	N
6740-N/S-AC/EX-LB	40	N	*			*	*					*	EX	N
6740-W/E-AC/EX-LB	40	W		*		*	*	*	*			*	EX	N
6740-N/E-AC/EX-LB	40	N		*		*	*	*	*			*	EX	N
6740-W/E-AC/EX-CE	40	W		*		*	*	*	*			*	EX	N
6740-N/E-AC/EX-CE	40	N		*		*	*	*	*			*	EX	N
6760-W/S-AC/EX-CE	60	W	*			*	*					*	EX	N
7710H-W/S-AC/EX	100	W	*			*	*					*	EX	Y
7710H-W/E-AC/EX	100	W		*		*	*	*	*			*	EX	Y
7720H-W/S-AC/EX	200	W	*			*	*					*	EX	Y
7720H-W/E-AC/EX	200	W		*		*	*	*	*			*	EX	Y

C-BAND MINI-BUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	10 W Std Band	**4710-W/S-DC/EX-NI**

Note:

1. The Mini-BUCs are supplied as standalone units.
2. See page 18, *BUC Accessories—Standard Kit* and the *4700 & 4900 series Mini-BUC & Mini-BUC Accessories* data sheets (part numbers 12-20245-EN & 12-20246-EN) for detailed specifications.

ACCESSORIES

PART NUMBER	DESCRIPTION
15-42099-000	Kit, Boom Mounting, Mini-BUCs
15-42100-000	Kit, Panel Mounting, Mini-BUCs
15-40202	Kit, Connector Sealing
15-40205	Flange Kit, Universal, WR137 Full, 16/20/30 mm Bolts (W/G Output BUCs Only)
78-01001-005	Adaptor, WR137 Waveguide to N-Type
60-15801	Adaptor, N-type Plug to F-type Jack
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
08-05366-020	Cable Coax 50 Ohm N-N Plug, 2 m
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m–BUC/Accessories (DC powered BUCs Only)
67-91500	Cable, 6570 to 7550, 0.7 m
67-3011-0093	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552) **(Note 2 above)**
15-40189	Kit, Waveguide, Flexible, WR137, 36" (C-Band RF Output)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
78-16053	Power Supply, DuraComm® CD-CLG-150-48 ODU (48 V DC 150 W for BUCs up to 20 W)
LNB-C	LNB, 3.4 to 4.2 GHz, 40 K, 60 dB Gain, N-type Output c/w Flange Kit
TRF-C2	Transmit Reject Filter c/w Flange Kit (Pass: 3.625 to 4.200 GHz, Reject: 5.850 to 6.425 GHz)
TRF-C4	Transmit Reject Filter c/w Flange Kit (Pass: 3.40 to 4.20 GHz, Reject: 5.850 to 6.725 GHz)
7550	7550 LAN Interface (c/w DC Connection Plug) **(Note 2 above)**
7551	10 MHz Reference Source (Indoor/Outdoor)
7551-1	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit)
7551-2	10 MHz Reference Source (Indoor/Outdoor) With DC Cable, 2 m Coaxial Cable & Sealing Kit)
7552	7552 FSK to USB Interface **(Note 2 above)**

C-BAND LBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	10 W Std Band	**6710-W/S-48/EX**
		6710-N/S-48/EX
	10 W Ext Band	**6710-W/E-48/EX-CE**
		6710-N/E-48/EX-CE
	20 W Std Band	**6720-W/S-48/EX-CE**
		6720-N/S-48/EX-CE
	40 W St Band	**6740-W/S-48/EX**
		6740-N/S-48/EX
	40 W Ext Band	**6740-W/E-48/EX**
		6740-N/E-48/EX
	40 W St Band	**6740-W/S-AC/EX-LB**
		6740-N/S-AC/EX-LB
	40 W Ext Band	**6740-W/E-AC/EX-LB**
		6740-N/E-AC/EX-LB

STANDARD KIT — The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m (N-type Output BUCs Only)
08-06201-010	Cable, AC Mains, 1 Connector, 10 m (AC powered BUCs Only)
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m–BUC/Accessories (DC powered BUCs Only)
15-40202	Kit, Connector Sealing
15-40205	Flange Kit, Universal, WR 137 Full, 16/20/30 mm Bolts (W/G Output BUCs Only)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

C-BAND MBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	25 W Ext Band	**6725-W/E-AC/EX-CE**
		6725-N/E-AC/EX-CE
	40 W Ext Band	**6740-W/E-AC/EX-CE**
		6740-N/E-AC/EX-CE
	60 W Std Band	**6760-W/S-AC/EX-CE**

STANDARD KIT
The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m (N-type Output BUCs only)
08-06201-010	Cable, AC Mains, 1 Connector, 10 m
15-40202	Kit, Connector Sealing
15-40205	Flange Kit, Universal, WR 137 Full, 16/20/30 mm Bolts (W/G Output BUCs only)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

C-BAND RBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	100 W Std Band	**7710H-W/S-AC/EX**
	100 W Ext Band	**7710H-W/E-AC/EX**
	200 W Std Band	**7720H-W/S-AC/EX** (240 V AC only)
	200 W Ext Band	**7720H-W/E-AC/EX** (240 V AC only)

STANDARD KIT
The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
08-06201-010	Cable, AC Mains, 1 Connector, 10 m
15-40202	Kit, Connector Sealing
15-40205	Flange Kit, Universal, WR 137 Full, 16/20/30 mm Bolts (W/G Output BUCs Only)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

ACCESSORIES

PART NUMBER	DESCRIPTION

Note: Each BUC package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

PART NUMBER	DESCRIPTION
08-05972-002	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) **(Note 1)**
08-06956-002	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 2 m **(Note 2)**
08-06956-006	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 6 m **(Note 2)**
08-06956-050	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 50 m **(Note 2)**
08-06956-100	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 100 m **(Note 2)**
67-3011-0093	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
15-40189	Kit, Waveguide, Flexible, WR137, 36" (C-Band RF Output)
15-42072-000	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W) **(Note 3)**
15-42097-000	Kit, Mounting, Boom, RBUC, C-Band, 200 W (RBUC only) **(Note 3)**
15-42098-000	Kit, Mounting, Pole, 8 to 12", RBUCs **(Note 3)**
6560	BUC Hand-held Controller
6570-IU-1	Remote Controller 6570 with 0.7 m Cable for 7550 LAN Interface
6570-50	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L
6570-100*	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L
LNB-C	LNB, 3.4 to 4.2 GHz, 40 K, 60 dB Gain, N-type Output c/w Flange Kit
RRF-C	Receive Reject Filter c/w Flange Kit (Reject: 3.40 to 4.20 GHz)
TRF-C2	Transmit Reject Filter c/w Flange Kit (Pass: 3.625 to 4.200 GHz, Reject: 5.850 to 6.425 GHz)
TRF-C4	Transmit Reject Filter c/w Flange Kit (Pass: 3.40 to 4.20 GHz, Reject: 5.850 to 6.725 GHz)
7550	7550 LAN Interface (c/w DC Connection Plug)
7551	10 MHz Reference Source (Indoor/Outdoor)
7551-1	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
7551-2	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit
7552	7552 FSK to USB Interface

Note:

1. **The PC serial cable or LAN cable are *not* part of the standard package.**
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN Mini-BUCs, the RBUCs and the 7586L Controller.
3. This mounting kit is *not* part of the standard BUC package. Please order separately if required.

| 7550 LAN Interface | 7551 Reference Source | 7552 FSK to USB Interface | 6560 BUC Hand-held Controller | 6570 Remote Controller |

* *denotes non-core products*

The Ku-Band BUC model numbering system is designed to provide unambiguous identification of BUC variants and options.

The Ku-Band BUC options and variants include:
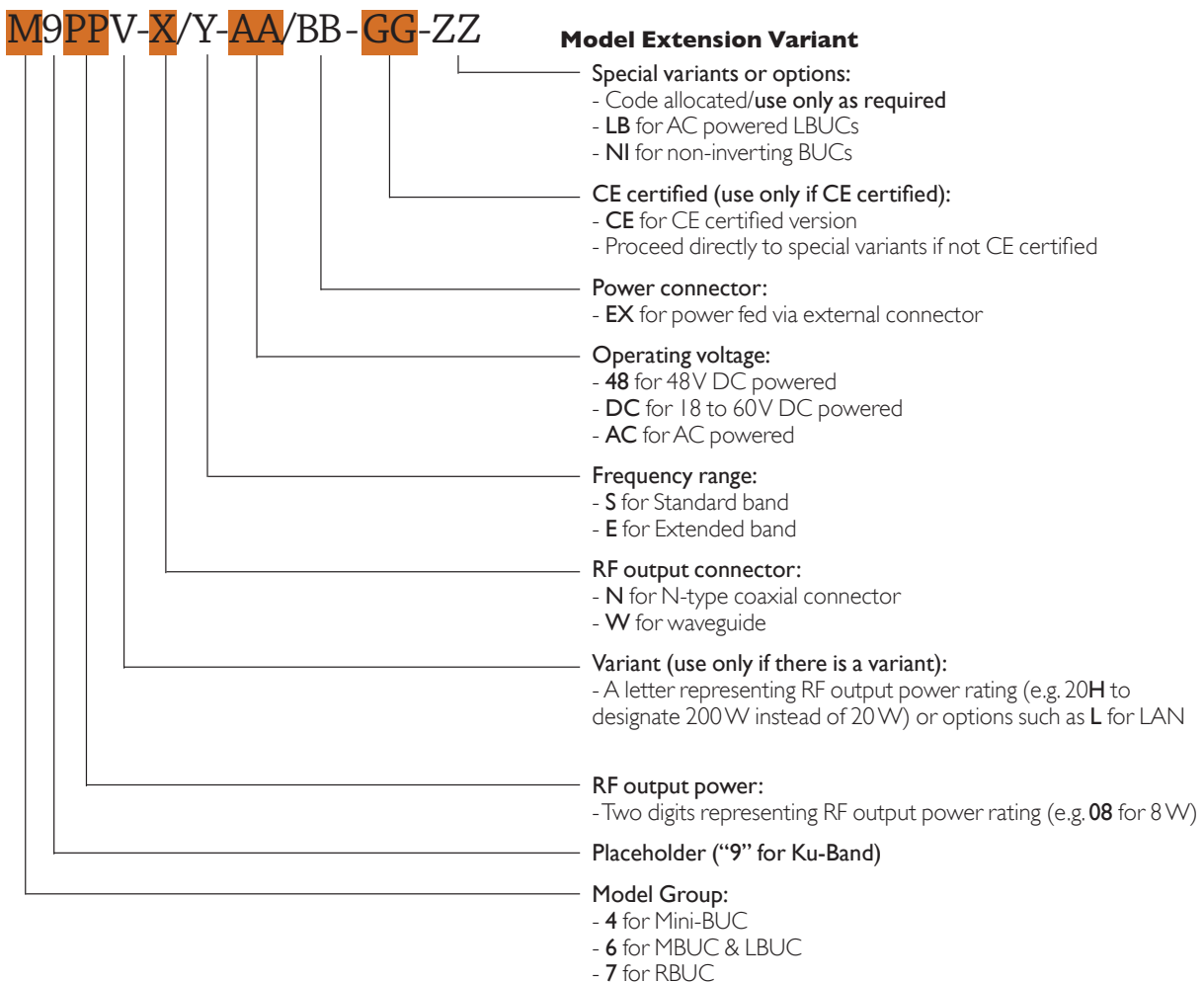
RF output power:	8W and higher
RF frequency band:	Standard: 14.00 to 14.50 GHz or Extended: 13.75 to 14.50 GHz
Power supply:	18 to 60V DC, 48V DC or AC mains
Power connector:	Via IF input N connector or external power connector
CE certification:	CE certified or non-certified

The BUC model number format is shown below. The model number comprises the base model number plus groups of option letters to show the particular options fitted.

The first group of digits specifies the basic BUC model and its RF output power rating, the second group specifies the RF output options and the third group specifies the power supply options. Finally, an additional character group is appended to indicate CE certification and/or special variants or options, to be used only if needed.

Not all possible model combinations are available even though those combinations may be valid ones (e.g. the Ku-Band RBUCs are not available in a CE certified version). To assist with ordering, the Ku-Band BUC models that are available are shown on the following pages.

M9PPV-X/Y-AA/BB-GG-ZZ

Model Extension Variant

Special variants or options:
- Code allocated/**use only as required**
- **LB** for AC powered LBUCs
- **NI** for non-inverting BUCs

CE certified (use only if CE certified):
- **CE** for CE certified version
- Proceed directly to special variants if not CE certified

Power connector:
- **EX** for power fed via external connector

Operating voltage:
- **48** for 48V DC powered
- **DC** for 18 to 60V DC powered
- **AC** for AC powered

Frequency range:
- **S** for Standard band
- **E** for Extended band

RF output connector:
- **N** for N-type coaxial connector
- **W** for waveguide

Variant (use only if there is a variant):
- A letter representing RF output power rating (e.g. 20**H** to designate 200W instead of 20W) or options such as **L** for LAN

RF output power:
- Two digits representing RF output power rating (e.g. **08** for 8W)

Placeholder ("9" for Ku-Band)

Model Group:
- **4** for Mini-BUC
- **6** for MBUC & LBUC
- **7** for RBUC

Ku-Band BUCs Ordering Guide

Model Number	Output Power (W)	Output (W: Waveguide)	Freq Band — Std: 14.0–14.50 GHz	Freq Band — Ext: 13.75–14.50 GHz	Lo Freq — 15.45 GHz Fixed	Lo Freq — 13.05 GHz Fixed	Lo Freq — 12.80 GHz Fixed	Spectrum Conversion — Inverting	Spectrum Conversion — Non-Inverting (NI)	Power Supply — 48 V DC Via Ext Conn	Power Supply — 48 V DC Via IFL	Power Supply — 18 to 60 V DC Via Ext Conn	Power Supply — 18 to 60 V DC Via IFL	Power Supply — AC	Power Connector (IF N-type or External Connector)	LAN
4908-W/S-DC/EX-CE-NI	8	W	*			*			*			*	*		EX+IF	N
4908-W/E-DC/EX-CE/NI	8	W		*			*		*			*	*		EX+IF	N
4916-W/S-DC/EX-NI	16	W	*			*			*	*	*				EX+IF	N
4916-W/E-DC/EX-CE-NI	16	W		*			*		*	*	*				EX+IF	N
4908L-W/S-DC/EX-CE-NI	8	W	*			*			*			*	*		EX+IF	Y
4908L-W/E-DC/EX-CE-NI	8	W		*			*		*			*	*		EX+IF	Y
4916L-W/S-DC/EX-NI	16	W	*			*			*		*	*			EX+IF	Y
4916L-W/E-DC/EX-CE-NI	16	W		*			*		*		*	*			EX+IF	Y
4940-W/S-DC/EX-CE-NI	40	W	*			*			*	*					EX	Y
4940-W/E-DC/EX-CE-NI	40	W		*			*		*	*					EX	Y
4940-W/S-AC/EX-CE-NI	40	W	*			*			*					*	EX	Y
4940-W/E-AC/EX-CE-NI	40	W		*			*		*					*	EX	Y
6908-W/E-48/EX-CE-NI	8	W		*			*		*	*	*				EX+IF	N
6916-W/S-48/EX-NI	16	W	*			*			*	*	*				EX+IF	N
6916-W/E-48/EX-CE-NI	16	W		*			*		*	*	*				EX+IF	N
6916-W/S-AC/EX-CE	16	W	*		*			*						*	EX	N
6916-W/E-AC/EX-CE	16	W		*	*			*						*	EX	N
6925-W/S-48/EX	25	W	*		*			*		*					EX	N
6925-W/S-AC/EX-LB	25	W	*		*			*						*	EX	N
6925-W/S-AC/EX-CE	25	W	*		*			*						*	EX	N
6925-W/E-AC/EX	25	W		*	*			*						*	EX	N
7925-W/S-48/EX-NI	25	W	*			*			*	*					EX	Y
7925-W/E-48/EX-NI	25	W		*			*		*	*					EX	Y
7940-W/S-48/EX-NI	40	W	*			*			*	*					EX	Y
7940-W/E-48/EX-NI	40	W		*			*		*	*					EX	Y
7940-W/S-AC/EX-NI	40	W	*			*			*					*	EX	Y
7940-W/E-AC/EX-NI	40	W		*			*		*					*	EX	Y

KU-BAND MINI-BUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
FSK Only, No LAN/RS232	8 W Std Band	**4908-W/S-DC/EX-CE-NI**
	8 W Ext Band	**4908-W/E-DC/EX-CE-NI**
	16 W Std Band	**4916-W/S-DC/EX-NI**
	16 W Ext Band	**4916-W/E-DC/EX-CE-NI**
FSK/LAN RS232	8 W Std Band	**4908L-W/S-DC/EX-CE-NI**
	8 W Ext Band	**4908L-W/E-DC/EX-CE-NI**
	16 W Std Band	**4916L-W/S-DC/EX-NI**
	16 W Ext Band	**4916L-W/E-DC/EX-CE-NI**
FSK/LAN/RS232	40 Std Band	**4940-W/S-DC/EX-CE-NI**
	40 Ext Band	**4940-W/E-DC/EX-CE-NI**
	40 Std Band	**4940-W/S-AC/EX-CE-NI**
	40 Ext Band	**4940-W/E-AC/EX-CE-NI**

Note: Mini-BUCs are supplied as standalone units.

Note: See page 18, *BUC Accessories—Standard Kit* and the *4700 & 4900 series Mini-BUC & Mini-BUC Accessories* data sheets (part numbers 12-20245-EN & 12-20246-EN) for detailed specifications.

ACCESSORIES

PART NUMBER	DESCRIPTION
15-42099-000	Kit, Boom Mounting, Mini-BUCs
15-42100-000	Kit, Panel Mounting, Mini-BUCs
15-40183	Kit, WR75 Waveguide Adaptor (to Mate Metric to 6/32 UNC WR75 Flanges)
15-40202	Kit, Connector Sealing
15-40206	Flange Kit, WR75 Thin 25 mm Screws (Ku-Band)
78-01030	Adaptor, WR75 Waveguide to N-type
60-15801	Adaptor, N-type Plug to F-type Jack

ACCESSORIES

PART NUMBER	DESCRIPTION
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
08-05366-020	Cable, Coax 50 Ohm N-N Plug, 2 m
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories
08-06201-010	Cable, AC Mains, 1 Connector, 10 m (AC Powered RBUCs)
08-06847-001	Cable, DC, High Power, 16-11S to Free end, 5 m (48 V DC RBUCs only)
08-05972-002	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 only) **(See Note)**
08-07189-001	Cable, M&C, LAN/RJ45 Mini-BUC 1 m (8/16 W Mini-BUC only) **(See Note)**
08-07189-006	Cable, M&C, LAN/RJ45 Mini-BUC 6 m (8/16 W Mini-BUC only) **(See Note)**
08-07189-050	Cable, M&C, LAN/RJ45 Mini-BUC 50 m (8/16 W Mini-BUC only) **(See Note)**
08-07189-100	Cable, M&C, LAN/RJ45 Mini-BUC 100 m (8/16 W Mini-BUC only) **(See Note)**
08-06956-002	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 2 m
08-6956-006	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 6 m
08-06956-050	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 50 m
08-06956-100	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 100 m
67-91500	Cable, 6570 to 7550, 0.7 m
67-3011-0093	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
15-40163	Kit, Waveguide, Flexible, WR75, 36" (Ku-Band RF Output)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
78-16053	Power Supply, DuraComm® CD-CLG-150-48 ODU (48 V DC 150 W for BUCs up to 20 W)
LNB-KU-R1	LNB, 10.95 to 11.70 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
LNB-KU-R2	LNB, 11.70 to 12.20 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
LNB-KU-R3	LNB, 12.25 to 12.75 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
RRF-KU	Receive Reject Filter c/w Flange Kit (Pass: 13.75 to 14.50 GHz, Reject: 10.70 to 12.75 GHz)
TRF-KU	Transmit Reject Filter c/w Flange Kit (Pass: 10.7 to 12.75 GHz, Reject :13.75 to 14.50 GHz)
7550	7550 LAN Interface (c/w DC Connection Plug)
7551	10 MHz Reference Source (Indoor/Outdoor)
7551-1	10MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
7551-2	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit
7552	7552 FSK to USB Interface

Note: For 8 and 16 watt models only: as the pinouts for both the LAN and serial M&C are located on the one 14 pin MS connector, either a LAN or serial cable may be connected at any one time.

Ku-Band BUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	8 W Ext Band	**6908-W/E-48/EX-CE-NI**
	16 W Std Band	**6916-W/S-48/EX-NI**
	16 W Ext Band	**6916-W/E-48/EX-CE-NI**
	25 W Std Band	**6925-W/S-48/EX**
	25 W Std Band	**6925-W/S-AC/EX-LB**

STANDARD KIT	The following accessories are included with the above BUCs
PART NUMBER	**DESCRIPTION**
08-06201-010	Cable, AC Mains, 1 Connector, 10 m (AC powered BUCs only)
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m – BUC/Accessories (DC powered BUCs only)
15-40202	Kit, Connector Sealing
15-40206	Flange Kit, WR 75 Thin 25 mm Screws (Ku-Band)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

![CPI Communications & Power Industries logo]

KU-BAND MBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	16 W Std Band	**6916-W/S-AC/EX-CE**
	16 W Ext Band	**6916-W/E-AC/EX-CE**
	25 W Std Band	**6925-W/S-AC/EX-CE**
	25 W Ext Band	**6925-W/E-AC/EX**

STANDARD KIT
The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
08-06201-010	Cable, AC Mains, 1 Connector, 10 m
15-40202	Kit, Connector Sealing
15-40206	Flange Kit, WR75 Thin 25 mm Screws (Ku-Band)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

KU-BAND RBUCs

PRODUCT	RF OUTPUT POWER	MODEL NUMBER
	25 W Std Band	**7925-W/S-48/EX-NI**
	25 W Ext Band	**7925-W/E-48/EX-NI**
	40 W Std Band	**7940-W/S-48/EX-NI**
		7940-W/S-AC/EX-NI
	40 W Ext Band	**7940-W/E-48/EX-NI**
		7940-W/E-AC/EX-NI

STANDARD KIT
The following accessories are included with the above BUCs

PART NUMBER	DESCRIPTION
08-06201-010	Cable, AC Mains, 1 Connector, 10 m (AC Powered RBUCs)
08-06847-001	Cable, DC, High Power, 16-11S to Free end, 5 m (48 V DC RBUCs only)
15-40183	Kit, WR75 W/G Adaptor (to Mate Metric to 6/32 UNC WR75 Flanges)
15-40202	Kit, Connector Sealing
15-40206	Flange Kit, WR 75 Thin 25 mm Screws (Ku-Band)
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

ACCESSORIES

PART NUMBER	DESCRIPTION

Note: Each BUC package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

Part Number	Description
08-05972-002	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) **(Note1)**
08-06847-001	Cable, DC, Hi-Pwr, 16-11S to Free end, 5 m (48 V DC RBUCs Only)
08-06956-002	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 2 m **(Note 2)**
08-6956-006	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 6 m **(Note 2)**
08-06956-050	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 50 m **(Note 2)**
08-06956-100	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 100 m **(Note 2)**
67-3011-0093	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
15-40163	Kit, Waveguide, Flexible, WR75, 36" (Ku-Band RF Output)
15-42072-000	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W) **(Note 3)**
15-42098-000	Kit, Mounting, Pole, 8 to 12", RBUCs **(Note 3)**
6560	BUC Hand-held Controller
6570-IU-1	Remote Controller 6570 with 0.7 m Cable for 7550 LAN Interface
6570-50	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L
6570-100*	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L
LNB-KU-R1	LNB, 10.95 to 11.70 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
LNB-KU-R2	LNB, 11.70 to 12.20 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
LNB-KU-R3	LNB, 12.25 to 12.75 GHz, 75 K, 60 dB Gain, N-type Output c/w Flange Kit
RRF-KU	Receive Reject Filter c/w Flange Kit (Pass: 13.75 to 14.50 GHz, Reject: 10.70 to 12.75 GHz)
TRF-KU	Transmit Reject Filter c/w Flange Kit (Pass: 10.7 to 12.75 GHz, Reject: 13.75 to 14.50 GHz)
7550	7550 LAN Interface (c/w DC Connection Plug)
7551	10 MHz Reference Source (Indoor/Outdoor)
7551-1	10MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
7551-2	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit
7552	7552 FSK to USB Interface

Note:

1. The PC serial cable or LAN cable are *not* part of the standard package.
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN mini-BUCs, the RBUCs and the 7586L Controller.
3. This mounting kit is *not* part of the standard BUC package. Please order separately if required.

7550 LAN Interface	7551 Reference Source	7552 FSK to USB Interface	6560 BUC Hand-held Controller	6570 Remote Controller

BUC ACCESSORIES

PRODUCT	MODEL / PT NO.	DESCRIPTION
	7551 Reference Source	The 7551 is a compact indoor/outdoor high stability 10 MHz Reference Source with several intelligent features.
		The 7551 has a pass-through inline connection with the IFL. It is powered via IFL DC and external DC, and offers a daisy-chain connection to 7550 or 7552.
	7550 LAN Interface	The 7550 converts FSK data to provide direct serial USB and Telnet accesss to the M&C serial command set of the BUC, and provides HTML pages of BUCs via an inbuilt Web server in the 7550. The 7550 provides RJ45 TCP/IP LAN, USB Type-B serial connections, and D15 connections to the 6570 Remote Controller.
		The pass-through inline connection with the IFL eliminates additional cabling to the indoor unit.
		The 7550 offers a daisy-chain connection to the 7551 10 MHz Reference Source.
	7552 FSK to USB Interface	The 7552 converts FSK data to provide direct serial USB access to the M&C serial command set of the BUC via a USB port of the PC. It may be used as a permanent connection indoors or a temporary connection outdoors at the BUC.
		The pass-through inline connection with the IFL eliminates additional cabling.
		The 7552 is powered via the USB port, and offers a daisy-chain connection to the 7551 10 MHz Reference Source.
	6560 Hand-held Controller	The 6560 provides a user-friendly menu-driven M&C of BUCs only. It connects directly to the BUC or indirectly via the Redundancy Controller.
		Note: The 6560 cannot M&C the 7586L Controller.
	6570 Remote Controller	The 6570 provides remote M&C in a single stream or redundant system with a 50 or 100 m M&C cable.
		In a redundant system, the 6570 provides remote M&C of both BUCs, as well as indicating the system status and stream selection via the M&C of the BUC.
		Note: 1.The 6570 cannot M&C the 7586L Controller. 2.The 6570 may also be used with the 7550 via a 0.7 m interconnecting cable (part number 67-91500).
	7586L Controller	For details on 7586L BUC Redundancy Systems, see page 21, *BUC Redundancy Switching Systems—C-Band*, and page 26, *BUC Redundancy Switching Systems—Ku-Band*.

Note: See the *6500 & 7500 series Block Up Converter Accessories* data sheet (part number 12-20185-EN) for detailed specifications of the BUC accessories.

ORDER / PART NUMBER	DESCRIPTION
7551	**10 MHz Reference Source**
Comprising:	
08-07036-001	Reference Source, 7551
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories
7551-1	**10 MHz Reference Source with 1 m Cable**
Comprising:	
08-07036-001	Reference Source, 7551
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories
15-40202	Kit, Connector Sealing
7551-2	**10 MHz Reference Source with 2 m Cable**
Comprising:	
08-07036-001	Reference Source, 7551
08-05366-020	Cable, Coax 50 Ohm N-N Plug, 2 m
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories
15-40202	Kit, Connector Sealing
7550	**LAN Interface**
Comprising:	
08-07133-001	LAN Interface, 7550
Options:	
67-3011-0093	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
08-05366-020	Cable, Coax 50 Ohm N-N Plug, 2 m
67-91500	Cable, 6570 to 7550, 0.7 m
60-15801	Adaptor, N-type Plug to F-type Jack
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
7552	**FSK to USB Interface**
Comprising:	
08-07104-001	FSK to USB Interface, 7552

STANDARD KIT

PART NUMBER	DESCRIPTION
Options:	
67-3011-0093	Cable, USB, Type A to Type B, 1 m (For Use with 7550/7552)
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
08-05366-020	Cable, Coax 50 Ohm N-N Plug, 2 m
60-15801	Adaptor, N-type Plug to F-type Jack
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
6560	**Hand-held Controller**
Comprising:	
08-06121-001	Hand-held Controller, 6560
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
6570-50	**Remote Controller with 50 m Cable**
Comprising:	
08-06191-001	Remote Controller, 6570
08-06182-050	Cable, M&C, 6570 to BUC/7586L, 50 m
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
6570-100	**Remote Controller with 100 m Cable**
Comprising:	
08-06191-001	Remote Controller, 6570
08-06182-100	Cable, M&C, 6570 to BUC/7586L, 100 m
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
6570-IU-1	**Remote Controller with 0.6 m Cable**
Comprising:	
08-06191-001	Remote Controller, 6570
67-91500	Cable, 6570 to 7550, 0.7 m
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)

BUC POWER SUPPLIES

PRODUCT	MODEL NUMBER	DESCRIPTION
	15-42073-000*	The DuraComm® RMSL-1248C IDU BUC PSU is a 300/600 W heavy-duty indoor switched mode power supply (SMPS). It is rack-mounted and suitable for IF-powered BUCs up to 300 W and externally powered BUCs up to 600 W. The Bias-T blocks incoming DC and multiplexes 48 V DC with IF, Reference and FSK M&C signals.
	6580B	The 6580B is a 250 W heavy-duty transformer based ODU PSU. It is designed for outdoor pole mounting and is suitable for BUCs up to 16 W Ku-Band and 40 W C-Band. The Bias-T blocks incoming DC and multiplexes 48 V DC with IF, Reference and FSK M&C signals. Additionally, it has Main and Auxiliary terminal connectors for externally-powered BUCs and accessories.
	7580	The 7580 is a 700 W heavy-duty ODU SMPS suitable for BUCs up to 40 W Ku-Band and 100 W C-Band. The SMPS is fully sealed to IP65 standard, and is fan cooled. Designed for boom mounting on the antenna, the 7580 uses the same mounting brackets as the BUCs and weighs only 2.8 kg. It has Main and Auxiliary MS-type DC output connectors for externally-powered BUCs and accessories.
	78-16053	The DuraComm® CD-CLG-150-48 ODU BUC PSU is a low power 48 V DC, 3.2 A, 150 W SMPS suitable for the Mini-BUC series and DC pwered LBUCs up to a 20 W. It has universal full range AC input and short-circuit/overload/over-voltage protection, and IP67 rating. The Power Supply weighs only 1.5 kg and can be mounted on a 3" maximum rectangular or round boom with the brackets provided. It has a 1 m DC lead with a mini 2 pin MS connector and a 5 m AC lead with free end.
	78-16054 (7586L Only)	The DuraComm® CD-CLG-60-48 ODU 7586L PSU is a low power 48 V DC, 1.3 A, 60 W SMPS with short-circuit/overload/over-voltage protection and universal full range AC input. It weighs only 0.5 kg and is fully encapsulated to IP67 for outdoor use. The PSU is specifically made to power the Codan 7586L Controller and accessories with a mini 2 pin MS connector. **Note:** A boom mounting bracket (part number 05-07431) and two PSUs for redundant operation are supplied in 7586 L redundancy system kits with AC powered BUCs.

* denotes non-core products

STANDARD KIT

PART NUMBER	DESCRIPTION
15-42073-000	**Kit, PSU, DuraComm® RMSL-1248C IDU with 1 m Coax**
Comprising:	
78-16044	Power Supply, DuraComm® RMSL-1248C IDU (48 V DC, 350/600 W for L/RBUCs)
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
6580B-8	**PSU, 250 W for 8" Pole Mounting**
Comprising:	
08-06417-001	Power Supply, 6580B
15-40128	Kit, Mounting, PSU, 8" Pole
08-05862-010	Cable, 3core 24/0.20, (No Connectors), 10 m
6580B-12	**PSU, 250 W for 12" Pole Mounting**
Comprising:	
08-06417-001	Power Supply, 6580B
15-40147	Kit, Mounting, PSU, 12" Pole
08-05862-010	Cable, 3core 24/0.20, (No Connectors), 10 m
7580-BM	**PSU, 700 W for Boom Mounting**
Comprising:	
08-06909-001	Power Supply, 7580 SMPS
15-42072-000	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W)
08-06201-010	Cable, AC Mains, 1 Connector, 10 m
08-06848-001	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC) 1 m
7580-8	**PSU, 700 W for 8" Pole Mounting**
Comprising:	
08-06909-001	Power Supply, 7580 SMPS
15-40128	Kit, Mounting, PSU, 8" Pole
08-06201-010	Cable, AC Mains, 1 Connector, 10 m
08-06848-001	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC) 1 m
7580-12	**PSU, 700 W for 12" Pole Mounting**
Comprising:	
08-06909-001	Power Supply, 7580 SMPS
15-40147	Kit, Mounting, PSU, 12" Pole
08-06201-010	Cable, AC Mains, 1 Connector, 10 m

STANDARD KIT

PART NUMBER	DESCRIPTION
08-06848-001	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC) 1 m
78-16053	**PSU, 150 W for 3" Boom Mounting**
	DuraComm® CD-CLG-150-48 ODU PSU comes complete with boom-mounting brackets and with mini 2 pin 8-2S plug to connect to a BUC.
78-16054	**PSU, 60 W for 7586L Controller**
	DuraComm® CD-CLG-60-48 ODU PSU comes complete cabled with mini 2 pin 8-2S plug to connect to 7586L.

ACCESSORIES

PART NUMBER	DESCRIPTION

Note: Each PSU package is supplied with the applicable standard kit. In addition the following accessories may be ordered separately.

PART NUMBER	DESCRIPTION
05-07431	Rail, Mounting, Red Sys **(See note below)**
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
08-05366-020	Cable, Coax 50 Ohm N-N Plug, 2 m
08-05366-030	Cable, Coax 50 Ohm N-N Plug, 3 m
08-05366-050	Cable, Coax 50 Ohm N-N Plug, 5 m
08-05366-080	Cable, Coax 50 Ohm N-N Plug, 8 m
08-06201-010	Cable, AC Mains, 1 Connector, 10 m
08-06448-005	Cable, DC, Lo-Pwr, Mini 8-2S to Free end, 5 m—BUC/Accessories
08-06847-001	Cable, DC, Hi-Pwr, 16-11S to Free end, 5 m (48 V DC RBUCs Only)
08-06848-001	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC), 1 m
08-06848-005	Cable, DC, Hi-Pwr, 16-11P to 16-11S, (PSU/RBUC), 5 m
08-06973-001	Cable, DC, Lo-Pwr, 16-11P to 8-2S (PSU to LBUC), 1 m
08-06973-007	Cable, DC, Lo-Pwr, 16-11P to 8-2S (PSU to LBUC), 7 m
08-06974-001	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 1 m
08-06974-007	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 7 m
15-40128	Kit, Mounting, PSU, 8" Pole
15-40147	Kit, Mounting, PSU, 12" Pole
15-42072-000	Kit, Mounting, Boom, Unicersal to 100 W (All L/M/RBUCs to 100 W)

Note: The 05-07431 rails are used for mounting redundant BUCs and the 7586L Controller, and are included in the redundancy system kits. Additional rails can be ordered and used with the 7580 PSU mounting kit (part number 15-42072-000) to mount two 7580 PSUs side-by-side rather than back-to-back.

BUC Redundancy Switching Systems Ordering Codes

The BUC redundancy switching systems ordering code format is designed to provide unambiguous identification of the various redundancy systems available.

The system configuration required depends on the particular BUC and LNB variants and system option as follows:
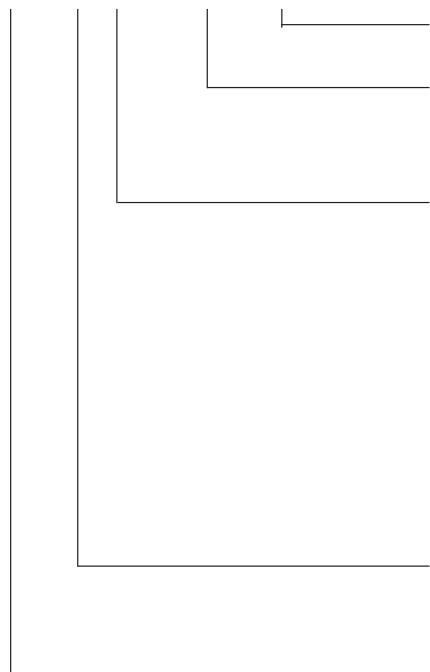
RF Frequency band:	C-Band or Ku-Band
BUC RF output connector:	N-type coaxial (C-Band only) or Waveguide (C-Band and Ku-Band)
BUC model group:	Segregated by model and RF power: LBUC, MBUC, RBUC etc
System type:	Transmit only switching or Transmit/receive switching and with/without 10 MHz Ref option

The BUC redundancy system model number format is shown on the page below. The model number comprises the base model number plus groups of option letters/numbers to specify the particular configuration.

The first group of characters specifies the fundamental frequency band of the system and the second group specifies the BUC RF output connector option. The third group specifies the BUC model group as the various BUC models have mechanical, RF output and external power differences.

Finally, the fourth character group indicates whether the system provides transmit only switching (i.e. it provides redundancy switching for only the BUC) or transmit/receive switching (i.e. it provides redundancy switching for both the BUC and the LNB). Options are indicated after the forward slash, e.g. REF.

7586L-AA / BCC - DD/EEE

Model Extension Variant

Option:
- **REF** for 10 MHz Internal Reference source

System type:
- **TR** for Transmit/Receive (BUC+LNB)
- **TO** for Transmit Only (BUC)

BUC model and power group:

- **A1** for min: BUCs:	Ku-Band: 8 W & 16 W, LAN only
- **L1** for LBUCs:	C-Band: 10 W, 20 W & 40 W
(DC powered)	Ku-Band: 8 W, 16 W & 25 W
- **L2** for LBUCs:	C-Band: 40 W
(AC powered)	Ku-Band: 25 W
- **M1** for MBUCs:	C-Band: 25 W & 40 W
	Ku-Band: 16 W & 25 W
- **M2** for MBUCs:	C-Band: 60 W
- **R1** for RBUCs:	Ku-Band: DC power 25 W & 40 W
- **R2** for RBUCs:	C-Band: AC power 25 W, 40 W, 100 W
- **R3** for RBUCs:	C-Band: AC power 200 W

BUC output connector:
- **N** for N-type coaxial (C-Band only)
- **W** for Waveguide (C-Band and Ku-Band)

Frequency band:
- **C** for C-Band
- **Ku** for Ku-Band

TYPES OF REDUNDANCY SYSTEMS

TYPES OF SYSTEM	NUMBER OF BUCs & LNBs	TYPE OF SWITCH
Tx Only	Two BUCs with no LNBs (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR137)
Tx + Rx in Tx Only Mode	Two BUCs with no LNBs (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR137)
Tx + Rx	Two BUCs and two LNBs connected to the controller	Separate transmit and receive RF W/G switches (WR137/WR229)
Tx/Rx	Two BUCs and two LNBs connected to the controller	Combined WR229 Rx RF W/G and N-type Tx coaxial switch
Ref Redundancy	As per systems above but with Ref option included in the 7586L Controller.	

Note:

1. The 10 MHz reference signal may be supplied to the BUCs and/or LNBs from a source such as:
   - a modem
   - the 7551 Reference Source
   - the 7586L internal 10 MHz option
2. The 7586L is capable of providing 10 MHz Ref redundancy by auto-sensing and switching between INT/EXT references.
3. The LNBs must be externally referenced.

C-BAND LBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-C/W-L1-TO	LBUC L1, C-Band, W/G, Tx Only without REF (10/20/40 W DC powered LBUCs)
	7586L-C/W-L1-TO/REF	LBUC L1, C-Band, W/G, Tx Only with REF (10/2040 W DC powered LBUCs)
	7586L-C/W-L2-TO	LBUC L2, C-Band, W/G, Tx Only without REF (40 W AC powered LBUC)
	7586L-C/W-L2-TO/REF	LBUC L2, C-Band, W/G, Tx Only with REF (40 W AC powered LBUC)

Note: 1. Single WR137 Tx W/G switch.
2. Not upgradeable to Tx and Rx system.

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-C/W-L1-TR	LBUC L1, C-Band, W/G, Tx + Rx without REF (10/20/40 W DC powered LBUCs)
	7586L-C/W-L1-TR/REF	LBUC L1, C-Band, W/G, Tx + Rx with REF (10/20/40 W DC powered LBUCs)
	7586L-C/W-L2-TR	LBUC L2, C-Band, W/G, Tx Only without REF (40 W AC powered LBUC)
	7586L-C/W-L2-TR/REF	LBUC L2, C-Band, W/G, Tx Only with REF (40 W AC powered LBUC)

Note: 1. Separate WR137 Tx and WR229 Rx W/G switches.
2. Can be configured as Tx Only system.

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-C/N-L1-TR	LBUC L2, C-Band, N-type, Tx/Rx without REF (10/20/40 W DC powered LBUCs)
	7586L-C/N-L1-TR/REF	LBUC L2, C-Band, N-type, Tx/Rx with REF (10/20/40 W DC powered LBUCs)
	7586L-C/N-L2-TR	LBUC L2, C-Band, N-type, Tx/Rx without REF (40 W AC powered LBUC)
	7586L-C/N-L2-TR/REF	LBUC L2, C-Band, N-type, Tx/Rx with REF (40 W AC powered LBUC)

Note: 1. Combined WR229 Rx W/G with N-Type Tx switch.
2. Cannot be used as Tx Only system.

C-BAND RBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-C/W-R2-TO	RBUC R2, C-Band, (100 W AC), W/G, Tx Only without REF
	7586L-C/W-R2-TO/REF	RBUC R2, C-Band, (100 W AC), W/G, Tx Only with REF
	7586L-C/W-R3-TO	RBUC R3, C-Band, (200 W AC), W/G, Tx Only without REF
	7586L-C/W-R3-TO/REF	RBUC R3, C-Band, (200 W AC), W/G, Tx Only with REF

Note: 1. Single WR137 Tx W/G switch.
2. Not upgradeable to Tx and Rx system.

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-C/W-R2-TR	RBUC R2, C-Band, (100 W AC), W/G, Tx + Rx without REF
	7586L-C/W-R2-TR/REF	RBUC R2, C-Band, (100 W AC), W/G, Tx + Rx with REF
	7586L-C/W-R3-TR	RBUC R3, C-Band, (200 W AC), W/G, Tx + Rx without REF
	7586L-C/W-R3-TR/REF	RBUC R3, C-Band, (200 W AC), W/G, Tx + Rx without REF

Note: 1. Separate WR137 Tx and WR229 Rx W/G switches.
2. Can be configured as Tx Only system.

C-BAND MBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-C/W-M1-TO	MBUC M1, C-Band, (25/40 W), W/G, Tx Only without REF
	7586L-C/W-M1-TO/REF	MBUC M1, C-Band (25/40 W), W/G, Tx Only with REF
	7586L-C/W-M2-TO	MBUC M2, C-Band (60 W), W/G, Tx Only without REF
	7586L-C/W-M2-TO/REF	MBUC M2, C-Band, (60 W), W/G, Tx Only with REF
		Note: 1. Single WR137 Tx W/G switch. 2. Not upgradeable to Tx and Rx system.
	7586L-C/W-M1-TR	MBUC M1, C-Band, (25/40 W), W/G, Tx + Rx without REF
	7586L-C/W-M1-TR/REF	MBUC M1, C-Band, (25/40 W), W/G, Tx + Rx with REF
	7586L-C/W-M2-TR	MBUC M2, C-Band, (60 W), W/G, Tx + Rx without REF
	7586L-C/W-M2-TR/REF	MBUC M2, C-Band, (60 W), W/G, Tx + Rx with REF
		Note: 1. Separate WR137 Tx and WR229 Rx W/G switches. 2. Can be configured as Tx Only system.
	7586L-C/N-M1-TR	MBUC M1, C-Band, (25/40 W), N-type, Tx/Rx without REF
	7586L-C/N-M1-TR/REF	MBUC M1, C-Band, (25/40 W), N-type, Tx/Rx with REF
		Note: 1. Combined WR229 Rx W/G with N-Type Tx switch. 2. Cannot be used as Tx Only system.

STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION

Note: Each system listed on the previous pages consists of a 7586L Controller variant and a matching kit from the list below. Refer to System Solutions (part number 17-60114) and Installation Instructions for kit contents.

08-06997-001	Controller, 7586L, Tx Only
08-06997-002	Controller, 7586L, Tx Only with REF 10 MHz
08-06997-003	Controller, 7586L, Tx + Rx
08-06997-004	Controller, 7586L, Tx + Rx with REF 10 MHz
15-42076-000	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx + Rx (10/20/40 W DC powered LBUCs)
15-42077-000	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx Only (10/20/40 W DC powered LBUCs)

STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION
15-42078-000	Kit, Red Sys, LBUC L1, C-Band, N-type, Tx/Rx (10/20/40 W DC powered LBUCs)
15-42079-000	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx + Rx (25/40 W)
15-42080-000	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx Only (25/40 W)
15-42081-000	Kit, Red Sys, MBUC M1, C-Band, N-type, Tx/Rx (25/40 W)
15-42082-000	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx + Rx (60 W)
15-42083-000	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx Only (60 W)
15-42084-000	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx Only (100 W)
15-42085-000	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx + Rx (100 W)
15-42094-000	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx Only (200 W)
15-42095-000	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx + Rx (200 W)
15-42102-000	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx Only (40 W AC powered LBUC)
15-42103-000	Kit, Red Sys, LBUC L2, C-Band, N-type, Tx/Rx (40 W AC powered LBUC)
15-42104-000	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx + Rx (40 W AC powered LBUC)

ACCESSORIES

MODEL NUMBER	DESCRIPTION

Note: Each BUC Redundancy package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

08-05972-002	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) **(Note 1 below)**
08-06956-002	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 2 m **(Note 2)**
08-06956-006	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 6 m **(Note 2)**
08-06956-050	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 50 m **(Note 2)**
08-06956-100	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 100 m **(Note2)**
6570-50	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L **(Note 3)**
6570-100	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L **(Note 3)**
7551	10 MHz Reference Source (Indoor/Outdoor)
7551-1	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
7551-2	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit

Note:
1. The PC serial cable or LAN cable are *not* part of the standard package.
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN settings in the LAN Mini-BUCs, the RBUCs and the 7586L Controller.
3. The 7586L Controller provides a pass-through connection to the BUCs for the 6560 and 6570 Remote Controllers. The 6560 and 6570 cannot configure or monitor the 7586L directly.

TYPES OF REDUNDANCY SYSTEMS

TYPES OF SYSTEM	NUMBER OF BUCs & LNBs	TYPE OF SWITCH
Tx Only	Two BUCs with no LNBs (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR 75)
Tx + Rx in Tx Only mode	Two BUCs with no LNBs (or a single LNB connected directly to the modem)	Single transmit RF W/G switch (WR75)
Tx + Rx	Two BUCs and two LNBs connected to the controller	Separate transmit and receive RF W/G switches (both WR75)
Ref Redundancy	As per systems above but with Ref Option included in the 7586L Controller.	

Note:

1. The 10 MHz reference signal may be supplied to the BUCs and/or LNBs from a source such as:
   - a modem
   - the 7551 Reference Source
   - the 7586L internal 10 MHz option
2. The 7586L is capable of providing 10 MHz Ref redundancy by auto-sensing and switching between INT/EXT references.
3. The LNBs must be externally referenced.

KU-BAND LBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-KU/W-L1-TO	LBUC L1, Ku-Band, W/G, Tx Only without REF (8/16/25 W DC powered LBUCs)
	7586L-KU/W-L1-TO/REF	LBUC L1, Ku-Band, W/G, Tx Only with REF (8/16/25 W LBUCs)
	7586L-KU/W-L2-TO	LBUC L2, Ku-Band, W/G, Tx Only without REF (25 W AC powered LBUC)
	7586L-KU/W-L2-TO/REF	LBUC L2, Ku-Band, W/G, Tx Only with REF (25 W AC powered LBUC)

Note: 1. Single WR75 Tx W/G switch.
2. Not upgradeable to Tx and Rx system.

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-KU/W-L1-TR	LBUC L1, Ku-Band, W/G, Tx + Rx without REF (8/16/25 W LBUCs)
	7586L-KU/W-L1-TR/REF	LBUC L1, Ku-Band, W/G, Tx + Rx with REF (8/16/25 W LBUCs)
	7586L-KU/W-L2-TR	LBUC L2, Ku-Band, W/G, Tx + Rx without REF (25 W AC powered LBUC)
	7586L-KU/W-L2-TR/REF	LBUC L2, Ku-Band, W/G, Tx + Rx with REF (25 W AC powered LBUC)

Note: 1. Separate WR75 Tx and WR75 Rx W/G switches.
2. Can be configured as Tx Only system.

KU-BAND MINI-BUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-KU/W-A1-TO	Mini-BUC A1, Ku-Band, W/G, Tx Only without REF
	7586L-KU/W-A1-TO/REF	Mini-BUC A1, Ku-Band, W/G, Tx Only with REF
		Note: 1. Single WR137 Tx W/G switch. 2. Not upgradeable to Tx and Rx system
	7586L-KU/W-A1-TR	Mini-BUC A1, Ku-Band, W/G, Tx + Rx without REF
	7586L-KU/W-A1-TR/REF	Mini-BUC A1, Ku-Band, W/G, Tx + Rx with REF
		Note: 1. Separate WR137 Tx and WR229 Rx W/G switches. 2. Can be configured as Tx Only system.

KU-BAND RBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-KU/W-R1-TO	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx Only without REF
	7586L-KU/W-R1-TO/REF	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx Only with REF
	7586L-KU/W-R2-TO	RBUC R2, Ku-Band, (40 W AC), W/G, Tx Only without REF
	7586L-KU/W-R2-TO/REF	RBUC R2, Ku-Band, (40 W AC), W/G, Tx Only with REF
		Note: 1. Single WR75 Tx W/G switch. 2. Not upgradeable to Tx and Rx system 3. Includes GaN 40 W
	7586L-KU/W-R1-TR	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx + Rx without REF
	7586L-KU/W-R1-TR/REF	RBUC R1, Ku-Band, (25 or 40 W DC), W/G, Tx + Rx with REF
	7586L-KU/W-R2-TR	RBUC R2, Ku-Band, (25 or 40 W AC), W/G, Tx + Rx without REF
	7586L-KU/W-R2-TR/REF	RBUC R2, Ku-Band, (25 or 40 W AC), W/G, Tx + Rx with REF
		Note: 1. Separate WR75 Tx and WR75 Rx W/G switches. 2. Can be configured as Tx Only system. 3. Includes GaN 40 W

KU-BAND MBUCs

PRODUCT	MODEL NUMBER	DESCRIPTION
	7586L-KU/W-M1-TO	MBUC M1, Ku-Band, (16/25 W), W/G, Tx Only without REF
	7586L-KU/W-M1-TO/REF	MBUC M1, Ku-Band, (16/25 W), W/G, Tx Only with REF
		Note: 1. Single WR75 Tx W/G switch. 2. Not upgradeable to Tx and Rx system.
	7586L-KU/W-M1-TR	MBUC M1, Ku-Band, (16/25 W), W/G, Tx + Rx without REF
	7586L-KU/W-M1-TR/REF	MBUC M1, Ku-Band, (16/25 W), W/G, Tx + Rx with REF
		Note: 1. Separate WR75 Tx and WR75 Rx W/G switches. 2. Can be configured as Tx Only system.

STANDARD ACCESSORIES

PART NUMBER	DESCRIPTION

Note: Each system listed on the previous pages consists of a 7586L Controller variant and a matching kit from the list below. Refer to System Solutions (part number 17-60115) and Installation Instructions for kit contents.

08-06997-001	Controller, 7586L, Tx Only
08-06997-002	Controller, 7586L, Tx Only with REF 10 MHz
08-06997-003	Controller, 7586L, Tx + Rx
08-06997-004	Controller, 7586L, Tx + Rx with REF 10 MHz
15-XXXXX-XXX	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx Only (8/16 W) (TBD)
15-XXXXX-XXX	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx + Rx (8/16 W) (TBD)
15-42088-000	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx Only (8/16/25 W DC powered LBUCs)
15-42089-000	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx + Rx (8/16/25 W DC powered LBUCs)
15-42090-000	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx Only (16/25 W)
15-42091-000	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx + Rx (16/25 W)
15-42092-000	Kit, Red Sys, RBUC R1, Ku-Band, W/G, DC, Tx Only (40 W)
15-42093-000	Kit, Red Sys, RBUC R1, Ku-Band, W/G, DC, Tx + Rx (40 W)
15-42105-000	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx Only (25 W AC powered LBUC)
15-42106-000	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx + Rx (25 W AC powered LBUC)
15-XXXXX-XXX	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx Only (TBD)
15-XXXXX-XXX	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx + Rx (TBD)

MODEL NUMBER	DESCRIPTION

Note: Each BUC Redundancy package is supplied with the applicable standard kit. In addition the following accessories may be ordered.

08-05972-002	Cable, M&C, Serial MS14P to DB9S (BUC/Controller), 2 m (RS232 Only) **(Note 1)**
08-06956-002	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 2 m **(Note 2)**
08-06956-006	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 6 m **(Note 2)**
08-06956-050	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 50 m **(Note 2)**
08-06956-100	Cable, M&C, LAN, RBUC/GaN/Controller (Indoor/Outdoor), 100 m **(Note 2)**
6570-50	Remote Controller 6570 with 50 m Outdoor Cable for BUCs and 7586L **(Note 3)**
6570-100	Remote Controller 6570 with 100 m Outdoor Cable for BUCs and 7586L **(Note 3)**
7551	10 MHz Reference Source (Indoor/Outdoor)
7551-1	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 1 m Coaxial Cable & Sealing Kit
7551-2	10 MHz Reference Source (Indoor/Outdoor) with DC Cable, 2 m Coaxial Cable & Sealing Kit

Note:

1. The PC serial cable or LAN cable are *not* part of the standard package.
2. In addition to the LAN cable, a PC serial cable is required to configure the LAN settings in the LAN Mini-BUCs, the GaN Mini-BUCs, the RBUCs and the 7586L Controller.
3. The 7586L Controller provides a pass-through connection to the BUCs for the 6560 and 6570 Remote Controllers. The 6560 and 6570 cannot configure or monitor the 7586L directly.

BUC Redundancy Switching Systems
Components Ordering Guide

PART NUMBER	DESCRIPTION
	C-Band
08-06104-003	Cable, M&C, Controller to Rx W/G Sw (WR229 C-Band), 3 m
08-06104-008	Cable, M&C, Controller to Rx W/G Sw (WR229 C-Band), 8 m
15-40096	Flange Kit, WR137 Full c/w Nuts
15-40106	Flange Kit, WR229 Full 16 mm
15-40108	Flange Kit, WR229 Half 8 mm
15-40123	Flange Kit, WR137 Full, 12 mm Skrews
15-40205	Flange Kit, Universal, WR137 Full, 16/20/30 mm Bolts
15-42076-000	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx + Rx (10/20/40 W DC powered LBUCs)
15-42077-000	Kit, Red Sys, LBUC L1, C-Band, W/G, Tx Only (10/20/40 W DC powered LBUCs)
15-42078-000	Kit, Red Sys, LBUC L1, C-Band, N-type, Tx/Rx (10/20/40 W DC powered LBUCs)
15-42079-000	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx + Rx (25/40 W)
15-42080-000	Kit, Red Sys, MBUC M1, C-Band, W/G, Tx Only (25/40 W)
15-42081-000	Kit, Red Sys, MBUC M1, N-type, W/G, Tx/Rx (25/40 W)
15-42082-000	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx + Rx (60 W)
15-42083-000	Kit, Red Sys, MBUC M2, C-Band, W/G, Tx Only (60 W)
15-42084-000	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx Only (100 W)
15-42085-000	Kit, Red Sys, RBUC R2, C-Band, W/G, AC, Tx + Rx (100 W)
15-42094-000	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx Only (200 W)
15-42095-000	Kit, Red Sys, RBUC R3, C-Band, W/G, AC, Tx + Rx (200 W)
15-42102-000	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx Only (40 W AC powered LBUC)
15-42103-000	Kit, Red Sys, LBUC L2, C-Band,N-type, Tx/Rx (40 W AC powered LBUC)
15-42104-000	Kit, Red Sys, LBUC L2, C-Band, W/G, Tx + Rx (40 W AC powered LBUC)
78-01001-005	Adaptor, WR137 Waveguide to N-Type
78-01101	Attenuator, 30 dB, 50 W N-type DC—8.5 GHz
78-18005-002	Relay, 4-port, WR137 Waveguide (C-Band Tx)
78-18005-003	Relay, 4-port, WR229 Waveguide (C-Band Rx)
78-18005-004	Relay, Dual WR229 Waveguide & N-type (C-Band Combined Tx/Rx)
78-20042	Termination, N-type Male, Coax, 50 W, DC—8.5 GHz
78-23011-001	Waveguide Bend, 90 Degrees, WR137, 3" x 3"
78-23015	Waveguide Termination, 125 W, WR137
78-23027	Waveguide Termination, 300 W, WR137
78-23054	Waveguide E-Bend, 90 Degrees, WR 137, 3" x 5"
78-23087	Waveguide, Straight, WR137, CPRG 2" Long (Used in R3 Red Sys)

PART NUMBER	DESCRIPTION
	Ku-Band
08-06166-003	Cable, M&C, Controller to Rx W/G Sw (WR75 Ku), 3 m
08-06166-008	Cable, M&C, Controller to Rx W/G Sw (WR75 Ku), 8 m
15-40172	Flange Kit, WR75, Thick Groove
15-40173	Flange Kit, WR75, Thin Groove
15-40174	Flange Kit, WR75, Universal
15-XXXXX-XXX	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx Only (8/16 W) (TBD)
15-XXXXX-XXX	Kit, Red Sys, Mini-BUC A1, Ku-Band, W/G, Tx + Rx (8/16 W) (TBD)
15-42088-000	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx Only (8/16/25 W DC powered LBUCs)
15-42089-000	Kit, Red Sys, LBUC L1, Ku-Band, W/G, Tx + Rx (8/16/25 W DC powered LBUCs)
15-42090-000	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx Only (16/25 W)
15-42091-000	Kit, Red Sys, MBUC M1, Ku-Band, W/G, Tx + Rx(16/25 W)
15-42092-000	Kit, Red Sys, RBUC R1, Ku-Band, W/G, Tx Only (40 W)
15-42093-000	Kit, Red Sys, RBUC R1, Ku-Band, W/G, Tx + Rx (40 W)
15-XXXXX-XXX	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx Only (TBD)
15-XXXXX-XXX	Kit, Red Sys, RBUC R2, Ku-Band, W/G, Tx + Rx (TBD)
15-42105-000	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx Only (25 W AC powered LBUC)
15-42106-000	Kit, Red Sys, LBUC L2, Ku-Band, W/G, Tx + Rx (25 W AC powered LBUC)
78-18008	Relay, 4-port WR75 Waveguide (Ku-Band Tx or Rx)
78-23018	Waveguide Rigid, WR75, 2"
78-23019	Waveguide Bend, 90 Degrees, WR75, 3.2" x 2"
78-23020	Waveguide Termination, 25 W, WR75
78-23021	Waveguide Termination, 75 W, WR75
78-23055	Waveguide H-Bend, 90 Degrees, WR75, 2" x 2"
	Common Components
05-07431	Rail, Mounting, Red Sys **(See note below)**
08-05366-006	Cable, Coax 50 Ohm N-N Plug, 0.6 m
08-05366-010	Cable, Coax 50 Ohm N-N Plug, 1 m
08-05366-020	Cable, Coax 50 Ohm N-N Plug, 2 m
08-05366-030	Cable, Coax 50 Ohm N-N Plug, 3 m
08-05366-050	Cable, Coax 50 Ohm N-N Plug, 5 m
08-05366-080	Cable, Coax 50 Ohm N-N Plug, 8 m
08-05972-002	Cable, M&C, Serial MS 14P to DB9S (BUC/Controller), 2 m (RS232 Only)

Note: The 05-07431 rails are used for mounting redundant BUCs and the 7586L Controller, and are included in the redundancy system kits. Additional rails can be ordered and used with the 7580 PSU mounting kit (part number 15-42072-000) to mount two 7580 PSUs side-by-side rather than back-to-back.

BUC Redundancy Switching Systems
Components Ordering Guide

PART NUMBER	DESCRIPTION
	Common Components cont.
08-06099-001	Cable, M&C, Controller to BUC, 1 m
08-06099-005	Cable, M&C, Controller to BUC, 5 m
08-06103-002	Cable, M&C, Controller to Tx W/G Sw (C/Ku), 2 m
08-06103-005	Cable, M&C, Controller to Tx W/G Sw (C/Ku), 5 m
08-06182-050	Cable, M&C, 6570 to BUC/7586L, 50 m
08-06182-100	Cable, M&C, 6570 to BUC/7586L, 100 m
08-06956-002	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 2 m
08-06956-006	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 6 m
08-06956-050	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 50 m
08-06956-100	Cable, M&C, LAN, RBUC/Controller (Indoor/Outdoor), 100 m
08-06974-001	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 1 m
08-06974-007	Cable, DC, Lo-Pwr, Mini 8-2P to 8-2S (PSU AUX to Accessories), 7 m
08-06997-001	Controller, 7586L, Tx Only
08-06997-002	Controller, 7586L, Tx Only with REF 10 MHz
08-06997-003	Controller, 7586L, Tx + Rx
08-06997-004	Controller, 7586L, Tx + Rx with REF 10 MHz
15-40202	Kit, Connector Sealing
15-42072-000	Kit, Mounting, Boom, Universal to 100 W (All L/M/RBUCs to 100 W)
15-42074-000	Kit, Mounting, Boom, Controller, 7586L
15-42096-000	Kit, Mounting, Pole, Controller, 7586L
15-44039-EN	BUC Technical Information CD (contains USB Driver, Reference Manuals and Application Notes)
60-15863-945	Adaptor, N-type, 90 Degree, Male to Female
78-16054	Power Supply, DuraComm® CD-CLG-60-48 ODU with Mini 2-pin AUX Conn (48 V DC, 60 W, Redcy Systems Only)