

# SPECIFICATIONS

**FREQUENCY BAND** Rx: 3.400 - 4.200 GHz  
Tx: 5.625 - 6.425 GHz

**INSERTION LOSS** Rx: 0.20 dB MAX  
Tx: 0.20 dB MAX

**VSWR** Rx: 1.25:1 MAX  
Tx: 1.25:1 MAX

**ISOLATION** Tx/Rx: 85 dB MIN  
Rx/Tx: 85 dB MIN  
Rx/Rx: 40 dB MIN  
Tx/Tx: 40 dB MIN

**CROSSPOL** : 35 dB MIN

**POWER HANDLING** : 5 KW CW EA Tx PORT  
(W/ADEQUATE HEAT DISSIPATION)  
10 KW CW TOTAL

**OPERATING TEMP** : 115° MAX

**ESTIMATED MASS** : 20 Lbs

**PRESSURIZATION** : SEALED TO 2 PSI

**FINISH**  
FLANGE FACES: CHROMATE CONVERSION COATED  
EXTERIOR: WHITE PAINT, COLOR No. 17875 PER FED-STD-595



REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
A	A	INITIAL RELEASE	12/20/13	

2.1700

DO NOT SCALE DRAWINGS		APPROVALS	DATE	GENERAL DYNAMICS PROPRIETARY	
UNLESS OTHERWISE SPECIFIED, INTERPRET DIMENSIONING & TOLERANCING PER ANSI/ASME Y14.5M-2009. DIMENSIONS ARE IN INCHES. DIMENSIONS SHOWN IN ( ) ARE FOR REFERENCE ONLY.		DRAWN: TOVALIN	12/20/13	GENERAL DYNAMICS	
TOLERANCES:		CHECKED:		SATCOM Technologies	
SURFACE		RF DESIGN: J. Wrigley	01/03/14	3111 Fujita Street, Torrance CA 90505, (310) 539-6704	
TWO PLACE DECIMAL ± .01		ENG MGR:		TITLE:	
THREE PLACE DECIMAL ± .002		PROJECT:		C-BAND 4-PORT DIPLEXER, LINEAR POLARIZED	
FOUR PLACE DECIMAL ± .0010 OR BETTER		MATERIAL		SIZE	CAGE CODE
ANGLES ± 0°30'		EXPORT CONTROLLED		SCALE: 1:2	DWG No. 11498-12
		Export or re-export subject to 15 CFR 700 - 799		WEIGHT: LB	REV A
				SHEET 1 of 2	