

SPECIFICATIONS

REVISIONS

FREQUENCY RANGE

Rx: 19.7 - 21.2 GHz
Tx: 29.5 - 31.0 GHz

ISOLATION:

TX/RX: 90 dB MIN
RX/TX: 90 dB MIN
TX/TX: 20 dB MIN
RX/RX: 20 dB MIN

POWER HANDLING: 1.0 KW CW
PER TX PORT

PRESSURIZATION : SEALED TO 5 PSIG

INSERTION LOSS

Rx: 0.25 dB MAX
Tx: 0.20 dB MAX

AXIAL RATIO

RX: 0.75 dB MAX
TX: 0.75 dB MAX AT
29.5-30.0 GHz
: 0.50 dB MAX AT
30.0-31.0 GHz

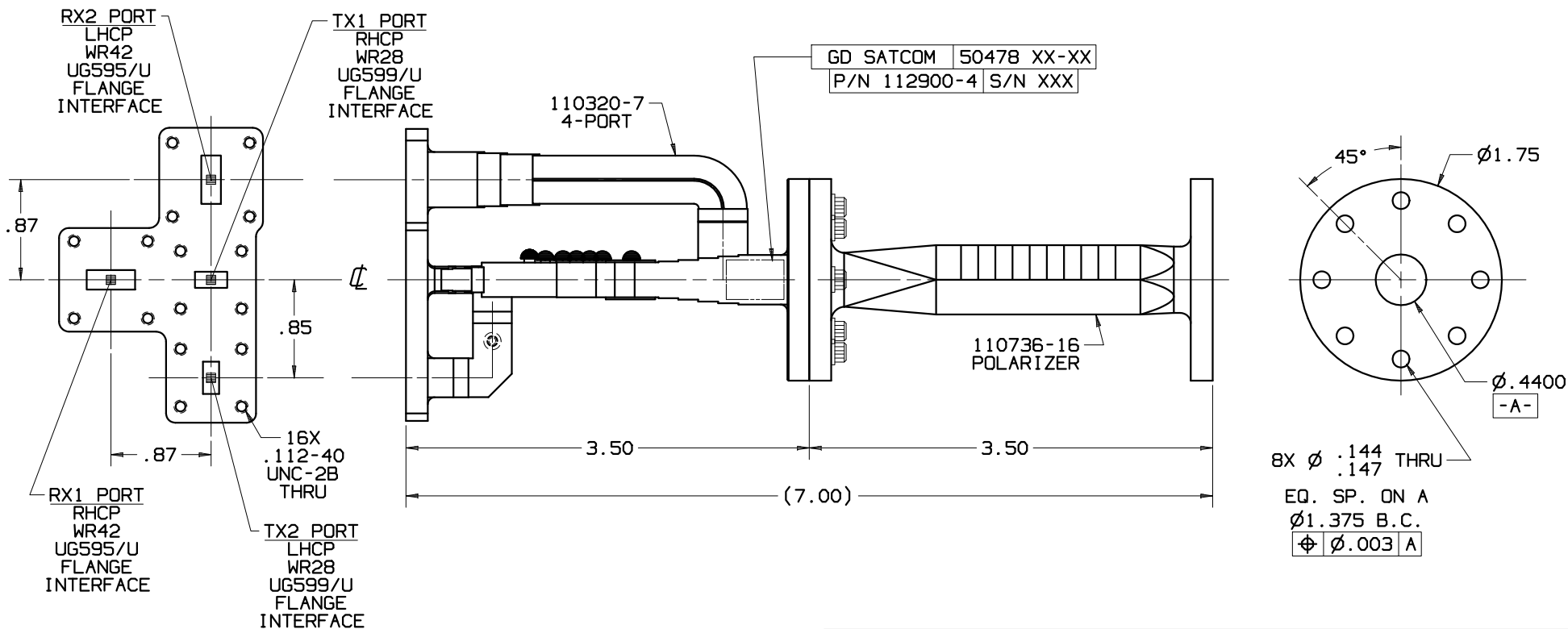
FINISH

FLANGE FACES: BRASS
EXTERIOR: BLACK PAINT, COLOR NO 37038
PER FED-STD-595.

VSWR

Rx: 1.2:1 MAX
Tx: 1.2:1 MAX

REV	DESCRIPTION	DATE	APPROVED
G	SEE DR 11374	02-09-12	



NOTES: UNLESS OTHERWISE SPECIFIED.

UNLESS OTHERWISE SPECIFIED		SIGNATURES	DATE	GENERAL DYNAMICS PROPRIETARY	
DIMENSIONS ARE IN INCHES		DRAWN: TOVALIN, L	03-01-04	GENERAL DYNAMICS SATCOM Technologies 3111 Fujita St., Torrance, CA 90505, (310) 539-6704	
TOLERANCES-		CHECKED: H. Spieleder	02-15-08		
SURFACE .XX ±.01		RF ENGR:		Ka-BAND 4-PORT DIPLEXER CIRCULAR POLARIZED	
.XXX ±.002		ENGRG:			
.XXXX		MFG:		SIZE	FSCM No.
32 ✓		EAR CONTROLLED: Export or re-export subject to 15 CFR 700-799.		C	50478
MATERIAL				DWG No.	112900-4
FINISH				REV	G
				SCALE:	3:2
				SHEET	1