



DESIGN SPECIFICATIONS

ELECTRICAL	CHAN 1 (TRANSMIT)	CHAN 2 (RECEIVE)
FREQUENCY (GHz):	5.850 - 6.425 (C-BAND)	DC - 2.0
(SPLIT BAND)	7.900 - 8.400 (X-BAND)	
VSWR:	1.25:1 MAX.	1.25:1 MAX
VSWR WOW (MAX):	0.05	0.05
INSERTION LOSS (dB):	0.20	0.7
INSERTION LOSS WOW (dB):	0.05	0.05
POWER, AVG (MAX):	"C" BAND - 800 W CW "X" BAND - 1600 W CW	2 W
ISOLATION (3.7 - 9.6 GHz):	<----- 100 dB ----->	

MECHANICAL & ENVIRONMENTAL

- LEAKAGE: 10 CC PER MIN MAX.
- PRESSURE: 0.5 PSIG
- TORQUE: 70 OZ-IN MAX [1.5 N-m]
- WEIGHT: 3.3 Lbs. MAX [1.5 kg]
- MATERIAL: ALUMINUM ALLOY PRIMARILY
- FINISH: TBD
- MARKING: MARKING TO INCLUDE AS A MINIMUM, DIAMOND NAME, P/N AND SERIAL NO.

ROHS COMPLIANT

THIRD ANGLE PROJECTION

DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63 TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
±1/64	2 PLACES ±.05	±1/2°
	3 PLACES ±.010	

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

TITLE:
TWO CHANNEL ROTARY JOINT

SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 27-2288-0
SCALE: 2:3	WEIGHT (EST.):	SHEET 1 OF 1