



DESIGN SPECIFICATIONS

ELECTRICAL	CHAN 1	CHAN 2
FREQUENCY (GHz) :	13.75 - 14.5	DC - 4.0
VSWR (MAX) :	1.3:1 (13.75-14.0 GHz) 1.2:1 (14.0-14.5 GHz)	1.2:1 (DC-2.05 GHz) 1.25:1 (2.05-4.0 GHz)
VSWR WOW (MAX) :	.1	.05
INSERTION LOSS (MAX) :	0.3 dB (13.75-14.0 GHz) 0.2 dB (14.0-14.5 GHz)	.4 dB
INSERTION LOSS WOW (MAX) :	.05 dB	.05 dB
POWER, PEAK :	10 KW *	1 KW *
POWER, AVG :	100 W	10 W
ISOLATION :	<----- 50 dB ----->	
CONNECTORS :	-----	SMA
FLANGES :	R120	-----

* Operation altitude limit if not pressurized, 1000 m MAX

MECHANICAL & ENVIRONMENTAL

- ROTATIONAL SPEED : 60 RPM
- TEMPERATURE, OPERATING : -55° C TO +55° C
- TEMPERATURE, STORAGE : -55° C TO +70° C
- HUMIDITY (RELATIVE) : 95% (NON-CONDENSING)
- TORQUE : 35 OZ-IN [0.25 Nm] STARTING
28 OZ-IN [0.20 Nm] RUNNING
- IP PROTECTION LEVEL : IP60 PER EN 60529
- WEIGHT : 0.88 LBS [0.4 kg] MAX
- MATERIAL : PRIMARILY ALUMINUM ALLOY
- FINISH : CHROMATE CONVERSION COAT PER MIL-DTL-5541, TYPE II, CLASS
- MARKING : CHANNELS TO BE MARKED PER MIL-STD-130 WITH BLACK INK
.125 HIGH, APPROX. WHERE SHOWN IN ORIENTATION SHOWN.
- LABEL : DIAMOND STD. LABEL LOCATED WHERE SHOWN AND TO INCLUDE AS A MIN: DIAMOND P/N, S/N AND DATE CODE

ROHS COMPLIANT

THIRD ANGLE PROJECTION		DIAMOND ANTENNA & MICROWAVE CORP LITTLETON, MA 01460	
DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED. SURF FINISH 63/ TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 2/164 3 PLACES 4/10 1/12		TITLE: ROTARY JOINT, WR-75 & SMA, DUAL CHANNEL	
SIZE: D	CAGE CODE: 01882	DRAWING NUMBER: CAT 28-2266-0	
SCALE: 2:1	WEIGHT (EST.):	SHEET 1 OF 1	