



SPECIFICATIONS:

FREQUENCY:	L-Band
VSWR, MAX:	1.10:1
	1.05:1 @ 1.31-1.33 GHz
INSERTION LOSS, dB MAX:	0.1
PHASE WOW, MAX:	1°
POWER, PEAK, MW MAX:	2.5 @ 21 PSIG
POWER, AVERAGE, KW MAX:	200 WITH LIQUID COOLED
LIQUID COOLING:	.25-4 GAL/MIN (3 GAL/MIN TYPICAL)
	35 PSIG MAX (30 PSIG TYPICAL)
	4 PSIG MAX PRESSURE DROP @ 3 GAL/MIN & 30 PSIG
TEMPERATURE, OPERATING:	0°C TO +50°C
TEMPERATURE, NON-OPERATING:	-40°C TO +65°C
ROTATIONAL SPEED, TYPICAL:	2.1 RPM
PRESSURIZATION, PSIG, MAX:	25
PRESSURIZATION, PSIG, TYPICAL:	21
LEAK RATE, CC/MIN, MAX:	25
TORQUE, RUNNING, MAX:	70 IN-LBS @ APPROX. 23°C
WEIGHT, MAX:	70 LBS

NOTES:

1. DIMENSIONS APPLY BEFORE FINISH, BASECOAT, TOPCOAT AND LABEL APPLICATION.
2. MATERIAL: PRIMARILY ALUMINUM ALLOY WITH CHEMICAL CONVERSION COAT PER MIL-DTL-5541, CLASS 3.
3. PAINT: TBD
DO NOT APPLY BASECOAT & TOPCOAT TO FLANGE FACES, FLANGE GASKETS, FLANGE HARDWARE, HOLES AND SURFACES INDICATED BY ▽.
4. MARKING: AS SHOWN ON PERMANENT LABELS OR PERMANENT BLACK 1/4" HIGH CHARACTERS PER MIL-STD-130.

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/ <small>21/64 1 PLACES 4.00 2 PLACES 4.00 3 PLACES 4.00</small>			
TITLE: ROTARY JOINT, WR-650, U-STYLE, WATER COOLED		SIZE: D	CAGE CODE: 01882
DRAWING NUMBER: CAT 15-246-0		SCALE: 1:2	WEIGHT (EST.):
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M		SHEET 1 OF 1	