



SPECIFICATIONS - ROTARY JOINT:

FREQUENCY (GHz):	5.4-5.8
VSWR (MAX):	1.15
VSWR WOW (MAX):	0.05
INSERTION LOSS (dB) (MAX):	0.15
INSERTION LOSS WOW:	0.1 dB
PEAK POWER (KW):	350 *
AVERAGE POWER (W):	1,000 *

(*) POWER LEVELS BASED ON A 1.5:1 OUTPUT MISMATCH

SPECIFICATIONS - MECHANICAL/ENVIRONMENTAL:

PRESSURIZATION:	10 PSIG (0.07 Mpa) MINIMUM, 15 PSIG (0.10 Mpa) PREFERRED
LEAK RATE:	5 CC/MINUTE MAX
TORQUE:	13.3 IN-LB MAX (1.5 Nm)
ROTATION RATE:	60 RPM
WEIGHT:	5.51 LBS (2.5 KG)
TEMPERATURE RANGE:	-40°C TO +85°C (OPERATING) -70°C TO +125°C (STORAGE)
BASIC MATERIAL:	ALUMINUM ALLOY
FINISH:	TBD
LABEL:	DO NOT PAINT WHERE INDICATED BY Δ APPLY DIAMOND STD. LABEL AS SHOWN LABEL IS TO INCLUDE THE FOLLOWING AS A MINIMUM: P/N 49-546-0 S/N: _____

RoHS COMPLIANT

THIRD ANGLE PROJECTION 	DIAMOND ANTENNA & MICROWAVE CORP <small>LITTLETON, MA 01460</small>	
	TITLE: ROTARY JOINT, WR187, "L" STYLE	
<small>DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED. SURF FINISH 63✓ TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 2/100 2 PLACES 2.00 2/12 3 PLACES 2.00</small>	SIZE: D 01882	DRAWING NUMBER: CAT 49-546-0
<small>INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M</small>	SCALE: 1:1	WEIGHT (EST.): SHEET 1 OF 1