



DESIGN SPECIFICATIONS

ELECTRICAL

FREQUENCY (GHz):	25.5 - 27.5
VSWR (MAX):	1.29:1 (18 dB RETURN LOSS)
VSWR WOW (MAX):	.1
INSERTION LOSS (MAX):	.35 dB
INSERTION LOSS WOW (MAX):	.1 dB
POWER, AVE/PEAK:	57 W MAX.
MULTIPLICATION POWER:	90 W MAX.
WAVEGUIDE SIZE:	WR-34

MECHANICAL & ENVIRONMENTAL

ROTATIONAL SPEED:	1 RPM MIN.
TEMPERATURE, OPERATING:	-55° C TO +105° C
TEMPERATURE, STORAGE:	-60° C TO +115° C
HUMIDITY (RELATIVE):	70% MAX.

TORQUE, STARTING:	12 IN-OZ MAX
WEIGHT:	172g \pm 17g

MATERIAL: ALUMINUM ALLOY PRIMARILY

FINISH: CHROMATE CONVERSION COAT PER MIL-DTL-5541, CLASS 3

THIRD ANGLE PROJECTION		
<small>DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED. SURF FINISH 63 TOLERANCES ARE:</small> <small>FRACTIONS DECIMALS ANGLES</small> <small>\pm1/64 2 PLACES \pm.03 \pm1/2</small> <small>\pm1/64 3 PLACES \pm.010</small>		
<small>INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M</small>		

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

TITLE:
1-CH ROTARY JOINT, WR-34, L-STYLE

SIZE:	CAGE CODE:	DRAWING NUMBER:
C	01882	CAT 11-1146-0

SCALE	1:1	WEIGHT (EST.):	SHEET 1 OF 1
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