



DESIGN SPECIFICATIONS

FREQUENCY (GHz): DC – 18.0
 VSWR (max): 1.50:1
 VSWR WOW (max): .05
 INSERTION LOSS (max): .50 dB
 INSERTION LOSS WOW(max): .10 dB
 POWER, PK. (min): 5 kW
 POWER, AVG. (min @ 1 GHz): 200 W

ROTATIONAL SPEED: 50 RPM nom., 500 RPM max.
 TORQUE: 4 oz.-in. max., 2 oz.-in. nom.
 LIFE (min): 8,334 HOURS @ 50 RPM = 25,000,000 REV'S
 WEIGHT: 2 oz.
 SEALING: WEATHERIZED
 MARKING: TO INCLUDE AS A MIN. DIAMOND P/N & S/N

THIRD ANGLE PROJECTION		DIAMOND ANTENNA & MICROWAVE CORP LITTLETON, MA 01460		
		TITLE: SINGLE CHANNEL, SMA, ROTARY JOINT, WEATHERIZED (DC-18)		
		SIZE: B	CAGE CODE: 01882	DRAWING NUMBER: CAT 18-2124W-0
DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63 TOLERANCES ARE: FRACTIONS ±1/64 DECIMALS 2 PLACES ±.03 ANGLES ±1/2° 3 PLACES ±.010		SCALE 1:1	WEIGHT (EST.):	SHEET 1 OF 1
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M				