



ROTARY JOINT DESIGN SPECIFICATIONS:	
FREQ. (GHz):	DC-21.2
VSWR (MAX):	1.75:1
VSWR WOW (MAX):	0.07
INS LOSS (MAX):	.75 dB (2.25 dB WITH CABLE)
INS LOSS WOW (MAX):	.15 dB
POWER, PK. (MAX):	5 KW
POWER, AVG. @(1GHz):	200 W
ROTATIONAL SPEED:	50 RPM
TORQUE:	4 IN OZ MAX, 2 IN OZ NOM
LIFE:	5, 000 HOURS @50 RPM
WEIGHT:	2LB 10OZ
WEATHERIZED:	
MARKING:	DIAMOND PN & SN

SLIP RING SPECIFICATIONS:	
CONTACT MATERIAL:	PRECIOUS METAL.
SHAFT:	STAINLESS STEEL 300 SERIES
HOUSING:	ALUMINUM, CHROMATE PER MIL-C-5541.
ROTATION:	BI DIRECTIONAL
INSULATION:	RESISTANCE 500 MEGAOHMS @ 500 VDC
DIELECTRIC STRENGTH:	500 RMS @60 GHz
CIRCUIT DESCRIPTON:	35 CIRCUITS, 3 A MAX
CONTACT RESISTANCE (NOISE):	20 MILLIOHMS MAX

THIRD ANGLE PROJECTION

DIMENSIONS ARE IN INCHES. REMOVE ALL BURRS AND SHARP EDGES .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63 TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
±1/64	2 PLACES ±.03	±1/2°
	3 PLACES ±.010	

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

TITLE: **SINGLE CHAN R/J, WITH 35 CHAN SLIP RING**

SIZE: B	CAGE CODE: 01882	DRAWING NUMBER: CAT 65-2124-0
SCALE: 1:1	WEIGHT (EST.):	SHEET 1 OF 1