



**DESIGN SPECIFICATIONS**

	CHANNEL #1		CHANNEL #2	
	DC - 12.0	DC - 3.0	DC - 12.0	DC - 3.0
FREQUENCY (GHz):	(DC-2.4)	(2.4-12)	(DC-2.4)	(2.4-3)
VSWR (MAX):	1.25:1	1.60:1	1.25:1	2.5:1
VSWR WOW (MAX):	.05	.10	.05	.10
INSERTION LOSS (MAX):	.20 dB	.50 dB	.20 dB	.50 dB
I.L. WOW (MAX):	.05 dB	.10 dB	.10 dB	.20 dB
POWER, PEAK (MIN):	10 KW		10 KW	
POWER, AVERAGE (MIN):	200 W (@1 GHz)		200 W (@1 GHz)	
ISOLATION (MIN):	----- 50 dB -----		----- 50 dB -----	

ROTATIONAL SPEED (MAX): 300 RPM  
 TORQUE (MAX): 25 OZ-IN  
 LIFE (MIN): 20 MILLION REVS  
 WEIGHT: 2 LBS  
 CHANNEL MARKING: 1/8 BLACK CHARACTERS

THIRD ANGLE PROJECTION

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

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

**DIAMOND ANTENNA & MICROWAVE CORP**  
LITTLETON, MA 01460

TITLE: **DUAL CHANNEL ROTARY JOINT**

SIZE: <b>B</b>	CAGE CODE: <b>01882</b>	DRAWING NUMBER: <b>CAT 2220C-0</b>
SCALE: <b>1:1</b>	WEIGHT (EST.):	SHEET <b>1 OF 1</b>