



<b>SPECIFICATIONS</b>			
	CHANNEL 1	CHANNEL 2	CHANNEL 3
<b>ELECTRICAL</b>			
FREQUENCY [GHz]:	1.01-1.1	1.01-1.1	1.01-1.1
VSWR, max:	1.20:1	1.20:1	1.20:1
VSWR WOW:	0.05	0.05	0.08
INS LOSS (dB, max):	0.25	0.35	0.35
PEAK POWER [kW]:	10	10	10
AVERAGE POWER [W]:	50	200	50
PHASE WOW [degrees], max @ 1090 MHz:	1	1	1
PHASE TRACKING [degrees]:	N/A	+/-2 between channels #2 & 3	
CHANNEL ISOLATION [dB], min:		60	
<b>MECHANICAL</b>			
STARTING TORQUE, MAX :		[2.72 N-m] 2 ft-lbs	
ROTATION SPEED [RPM]:		6	
WEIGHT, approximate:		[3.2kg] 7lbs	
LIFE, min [REVOLUTIONS]:		50 MILLION	
<b>ENVIRONMENTAL</b>			
OPERATING TEMP [C]:		-40 TO 55	
STORAGE TEMP [C]:		-40 TO 55	
HUMIDITY [Rh]:		100%	
ALTITUDE [m]		0 - 3600 ABOVE SEA LEVEL	
CONNECTORS:		TYPE N FEMALE	
MATERIAL:		ALUMINUM	
FINISH:		TBD	
MARKING:		per MIL-STD-130	

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 ±.05 ±1/2  
3 PLACES ±.010

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

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

TITLE:  
**3 CH, ROTARY JOINT**

SIZE: **C** CAGE CODE: **01882** DRAWING NUMBER: **CAT 10-2355-0**

SCALE: **1:2** WEIGHT (EST.): SHEET **1 OF 1**