



SPECIFICATIONS ALL 3 CHANNELS

Frequency range (GHz)	9.3-10.4 GHz	9.0-11.0 GHz
VSWR max	1.7:1	2.0:1
VSWR-VLOW/360° max	.15	.15
Phase flatness (over 360°)	7 degrees	
Insertion loss (dB max)	1.2	2.1
Insertion loss flatness	.05	
Isolation	60db	
Peak power	10 W	
Average power	2 W	

Environmental requirements

Temp range Operating:	-40°C to +55°C
Non-operating:	-40°C to +70°C
Operating altitude:	Sea level to 10,000 Ft
Humidity:	Per MIL-STD-810F Method 507.4 including condensation
Fungus:	Per MIL-STD-810E Method 508.5
Salt atmosphere:	Per MIL-STD-810F Method 509.4
Random vibration:	Per MIL-STD-810E Method 514.4, Cat 8, Fig 514.4-5, Values as per table 514.4-AXVII
Mechanical shock:	Sinusoidal Vibration per MIL-STD-810C, Method 514, Procedure VIII, 3 hours per axis and Mechanica Shock of 20G, 11 ms, saw tooth
Rotation speed range	0 to 50 RPM
Continuous operation:	30 RPM
Finish:	MIL-F-14072, TYPE 1 Color per FED-STD-595B, Color # 26251
Marking:	Minimum marking shall include: Name (Rotary Joint),

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 CHANNEL ROTARY JOINT

SIZE: C	CAGE CODE: 01882	DRAWING NUMBER: CAT 11-2354-0
SCALE: 1:1	WEIGHT (EST.):	SHEET 1 OF 1