

**SPECIFICATIONS**

**ELECTRICAL**

	CHANNEL 1	CHANNEL 2	CHANNEL 3
FREQUENCY [GHz]:	1.01-1.1	1.01-1.1	1.01-1.1
VSWR, max:	1.25:1	1.25:1	1.25:1
VSWR WOW:	0.05	0.05	0.08
INS LOSS (dB):	.50 max	.50 max	.50 max
PEAK POWER [kW]:	10	10	10
AVERAGE POWER [W]:	150	150	300
PHASE TRACKING [degrees]: ALL CHANNELS		2	
DIFFERENTIAL LOSS BETWEEN ALL CHANNELS:		.2dB	
CHANNEL ISOLATION [dB], min: ALL CHANNELS		60	

**MECHANICAL**

STARTING TORQUE, MAX :	[2.72 N-m] 2 ft-lbs
ROTATION SPEED [RPM]:	24 TYP, 60 MAX (INTERMITTENT)
WEIGHT, approximate:	[4.1kg] 9lbs
LIFE, min [REVOLUTIONS]:	100 MILLION

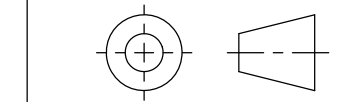
**ENVIRONMENTAL**

OPERATING TEMP [C]:	-40 TO 70
STORAGE TEMP [C]:	-50 TO 70
HUMIDITY [Rh]:	100%
ALTITUDE [m]:	0 - 3600 ABOVE SEA LEVEL
ENVIRONMENTAL PROTECTION:	IP65

CONNECTORS:	TYPE N FEMALE
MATERIAL:	ALUMINUM
FINISH:	TBD
MARKING:	per MIL-STD-130

ROHS COMPLIANT

THIRD ANGLE PROJECTION



MATERIAL: SEE SPECS  
FINISH: SEE SPECS

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED:  
SURFACE FINISH: AS SHOWN  
REMOVE ALL BURRS AND SHARP EDGES .005 MAX  
TOLERANCES ARE:  
FRACTIONS DECIMALS ANGLES  
1/64 2 PLACES ±.03 ±1/2°  
3 PLACES ±.010

DRAFTING:	M.S.	5/22/17
CHECKED BY:	-	-
APPROVED BY:	-	-
CUST. APPROV:	-	-
GOVT. APPROV:	-	-

**DIAMOND ANTENNA & MICROWAVE CORP.**  
LITTLETON, MASS. 01460

TITLE: <b>3 CH COAX ROTARY JOINT WITH DUAL ENCODERS</b>			
SIZE: C	CODE IDENT: 01882	DRAWING NUMBER: CAT 35-2355-0	REV 03
SCALE 1:2	CAD FILE:	SHEET 1 OF 1	