

DESIGN SPECIFICATIONS

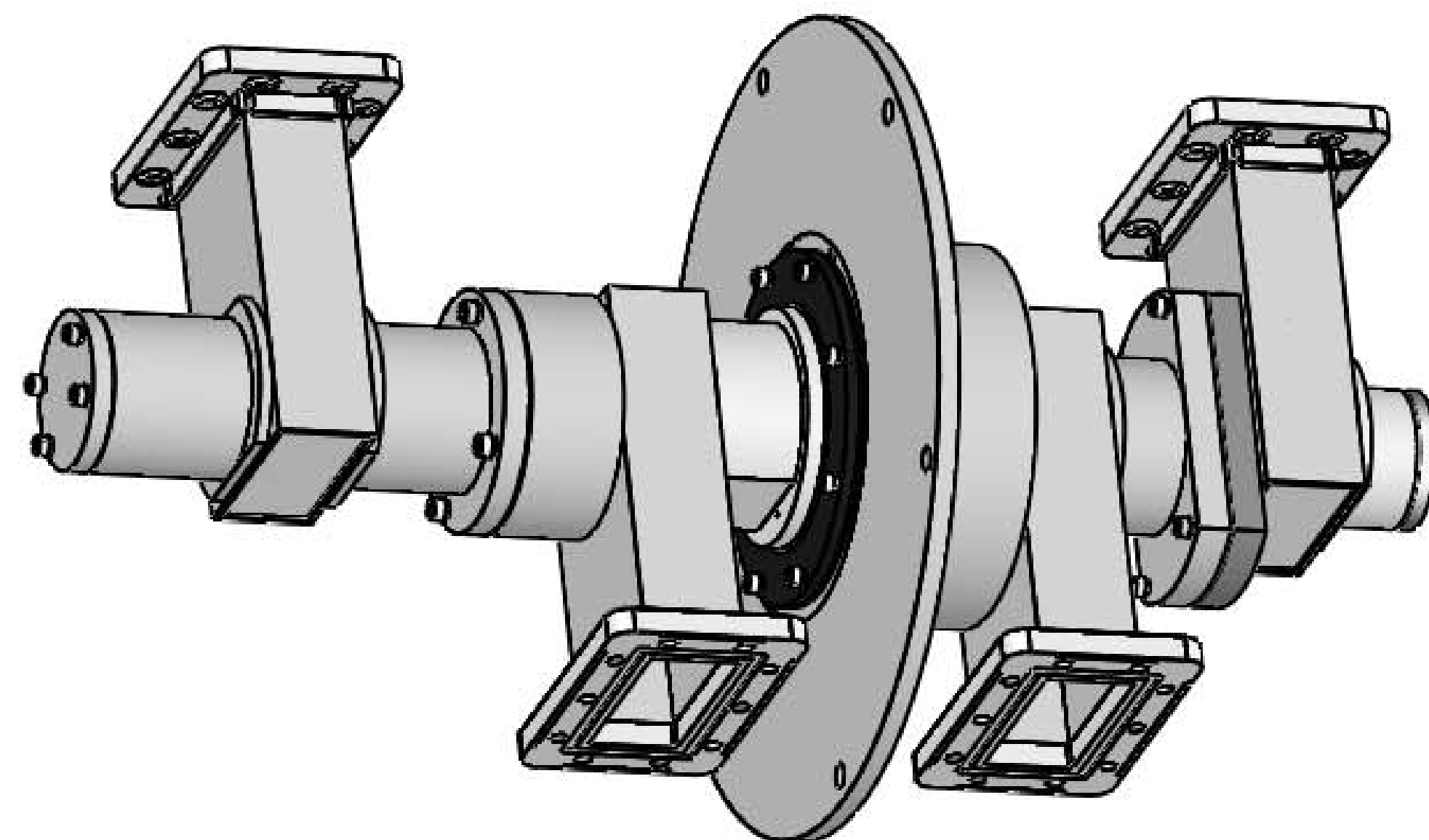
ELECTRICAL	CHAN 1	CHAN 2
FREQUENCY (GHz):	2.7 - 2.9	2.7 - 2.9
VSWR (MAX):	1.2:1	1.2:1
VSWR WOW (MAX):	1.02:1	1.02:1
INSERTION LOSS (MAX):	0.15 dB	0.20 dB
INSERTION LOSS WOW (MAX):	0.10 dB	0.10 dB
* POWER, PEAK:	1.4 MW	720 kW
POWER, AVG:	1 kW	1 kW
ISOLATION:	<----- 50 ----->	

* @ 18.85 PSIG [1.3 Bars] Minimum

MECHANICAL & ENVIRONMENTAL

ROTATIONAL SPEED:	6 RPM
TEMPERATURE, OPERATING:	-40° C TO +60° C
TEMPERATURE, STORAGE:	-55° C TO +70° C
LEAKAGE:	16 CC PER MIN @ 18.85 PSIG [0.13MPa]
PRESSURE:	29.0 PSIG [2.0 Bar] MAX - CLEAN DRY AIR
ALTITUDE (OPERATING):	0 TO 13,200 FT. (4,000 M)
HUMIDITY (RELATIVE):	95%
TORQUE:	2.0 LBS-FT MAX
WEIGHT:	28.6 LBS (13kg) MAX
MATERIAL:	ALUMINUM ALLOY PRIMARILY
FINISH:	TBD

LABEL STANDARD DIAMOND LABEL WITH . . .
 NAME PART NO.
 S/N: (START WITH 0001) DATE. CODE



NOTES:

1. MASK SURFACES MARKED ▽

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
 2/164 3 PLACES ±.010 ±1/12

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
 LITTLETON, MA 01460

TITLE: **DUAL CHANNEL ROTARY JOINT ASSEMBLY**

SIZE: D CAGE CODE: 01882 DRAWING NUMBER: CAT 35-2281-0

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