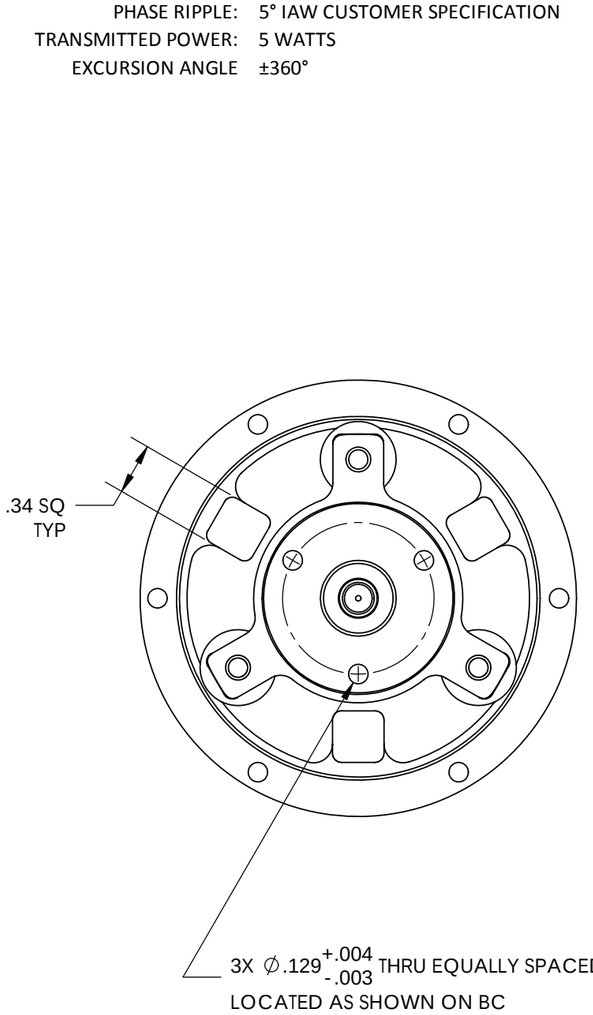
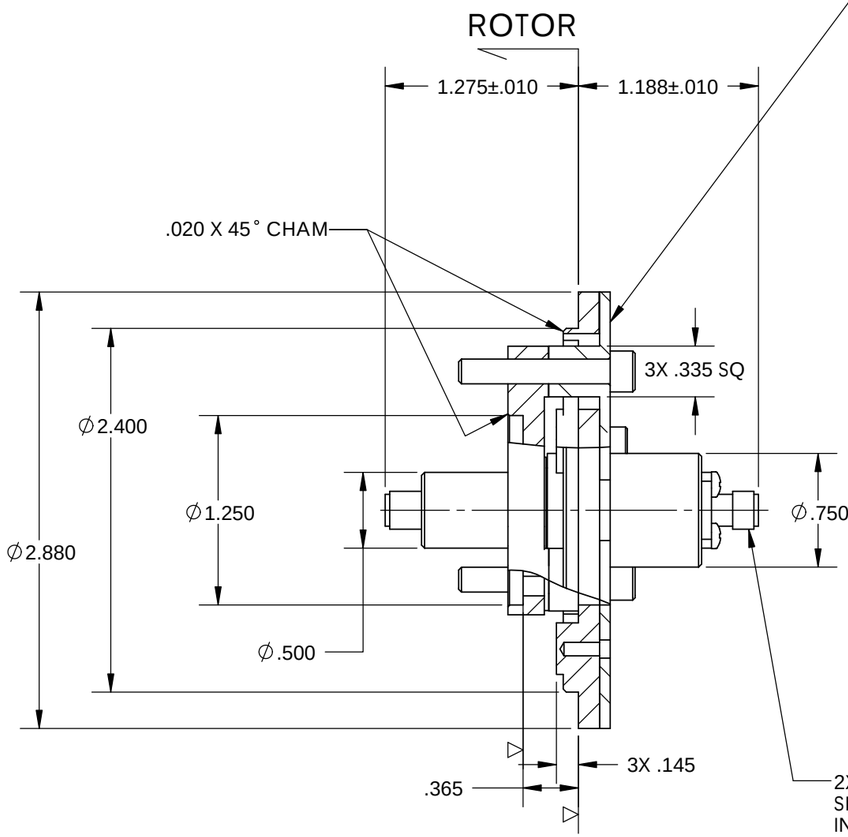
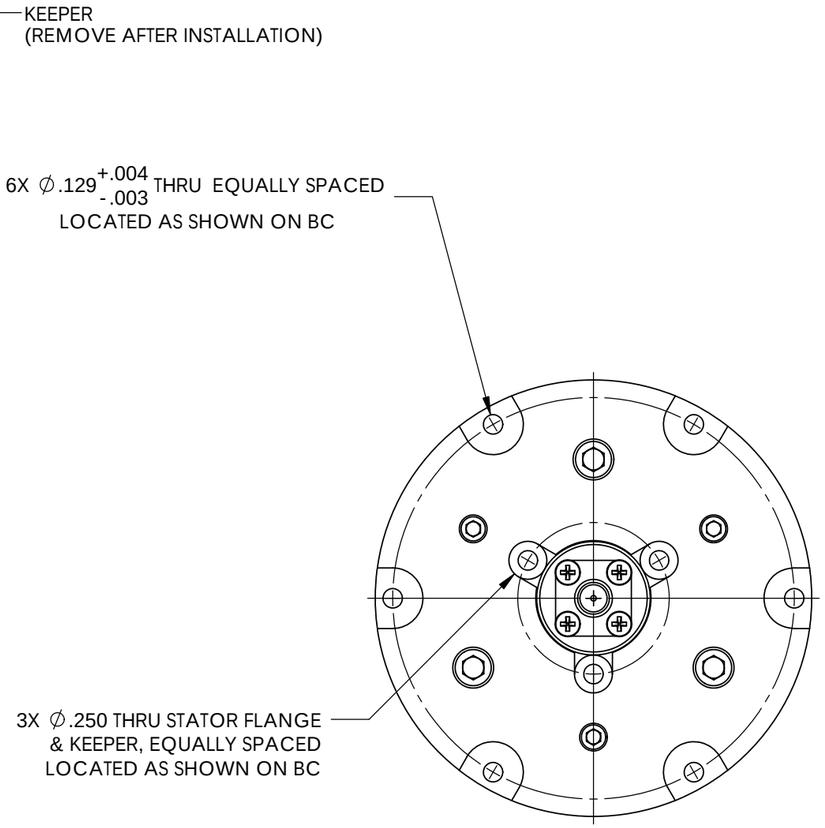
SPECIFICATIONS

FREQUENCY:	7.985 - 8.385 GHz
VSWR:	1.7 : 1 MAX
VSWR WOW:	0.1 MAX
INSERTION LOSS:	0.25 dB MAX
INSERTION LOSS WOW:	0.05 dB MAX
LOSS FLATNESS:	0.415 dB IAW CUSTOMER SPECIFICATION
LOSS RIPPLE:	0.40 dB IAW CUSTOMER SPECIFICATION
PHASE RIPPLE:	5° IAW CUSTOMER SPECIFICATION
TRANSMITTED POWER:	5 WATTS
EXCURSION ANGLE	±360°

COUPLER RADIAL/AXIAL MISALIGNMENT:	±.007 / ±.002
NON-OPERATIONAL TEMPERATURE RANGE:	-52°C TO +83°C
OPERATIONAL TEMPERATURE RANGE:	+15°C TO +60°C
WEIGHT (MAX):	.20 LBS (.34 LBS WITH KEEPER & HARDWARE)
MATERIAL, UNIT:	PRIMARILY ALUMINUM WITH CLEAR ANODIZE FINISH
MATERIAL, KEEPER:	STAINLESS STEEL WITH PASSIVATE FINISH
MASKING:	NO FINISH ON SURFACES INDICATED BY Δ







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 ±.03 3 PLACES ±.010	±1/2°

INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA 01460

TITLE: RF ROTARY COUPLER

SIZE:	CAGE CODE:	DRAWING NUMBER:
B	01882	CAT 90-2124-0

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