DESIGN SPECIFICATIONS

FREQUENCY (GHz): DC - 18
VSWR (max): 1.50:1
VSWR WOW (max): 0.05
INSERTION LOSS (max): .30 dB
INSERTION LOSS WOW (max): .05 dB
POWER, PEAK (min): 5 KW
POWER, AVG (min @ 1 GHz): 200 W

ROTATIONAL SPEED: 50 RPM nom, 500 RPM max
TORQUE: 4 oz-in max, 2 oz-in nom
LIFE (min): 8,334 hrs @ 50 rpm = 25,000,000 REVS
WEIGHT: 2 oz
WEATHERIZATION: NONE
MARKING: TO INCLUDE AS A MIN
DIAMOND P/N & S/N

THIRD ANGLE PROJECTION
INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA  01460

DIA 18-2124-0

SINGLE CHANNEL, SMA, ROTARY JOINT

DIMENSIONS ARE IN INCHES.
REMOVE ALL BURRS AND SHARP EDGES.  .005 MAX, UNLESS OTHERWISE SPECIFIED, SURF FINISH 63.

TOLERANCES ARE:
- FRACTIONS 1/64 ONE PLACE
- DECIMALS .03 ONE PLACE
- .010 TWO PLACES

2X SMA JACK
MARKING
ROTATING
3X .093 THRU EQ SP ON BC

DIAMETER 1.00

.27 TYP
.062
1.54±.04
.500