INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M

DIAMOND ANTENNA & MICROWAVE CORP
LITTLETON, MA  01460

TITLE: ROTARY JOINT, WR187, "L" STYLE
SIZE: 1:1
DRAWING  NUMBER: 45-546-0
CAGE CODE:
SCALE: 1:1
WEIGHT (EST.):

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

TOLERANCES ARE:

FRACTIONS  2 PLACES
DECIMALS  3 PLACES
ANGLES

SPECIFICATIONS - ROTARY JOINT:
WR-187 WAVEGUIDE CHANNEL
FREQUENCY (GHz): 5.4-5.8
VSWR (MAX.): 1.15:1
VSWR WOW (MAX.): 0.05
INSERTION LOSS (dB) (MAX.): 0.15
INSERTION LOSS WOW: <±0.05dB
PEAK POWER (KW): 350
AVERAGE POWER (W): 600

SPECIFICATIONS - MECHANICAL/ENVIRONMENTAL:
PRESSURIZATION: 10 PSIG (0.07 Mpa) MINIMUM, 15 PSIG (0.10 Mpa) PREFERRED
LEAK RATE: 5 CC/MINUTE MAX.
TORQUE: 13.3 IN-LB MAX. (1.5 Nm)
ROTATION RATE: 60 RPM
WEIGHT: 5.51 LBS (2.5 KG)
TEMPERATURE RANGE: -40°C TO +85°C (OPERATING)
-70°C TO +125°C (STORAGE)
BASIC MATERIAL: ALUMINUM ALLOY
FINISH: TBD
LABEL:
LABEL IS TO INCLUDE THE FOLLOWING AS A MINIMUM
PT# 45-546-0
S/N: __________
RoHs COMPLIANT