Third Angle Projection

Tolerances per ASME Y14.5M

Diamond Antenna & Microwave Corp
Littleton, MA 01460

Title: Rotary Joint, WR187, L Style

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 1/2 3 PLACES

0.03 0.010 3 PLACES

ENCODER MOUNTING FACE

LOCATE DIAMOND STD. LABEL HERE

Encoding provisions.

Diaphragm to provide mounting provisions.

Access encoder mounting face.

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 (MAX.): <0.05 dB
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)
Weight: 5.51 LBS (2.5 KG)
Temperature Range: -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

RoHS Compliant