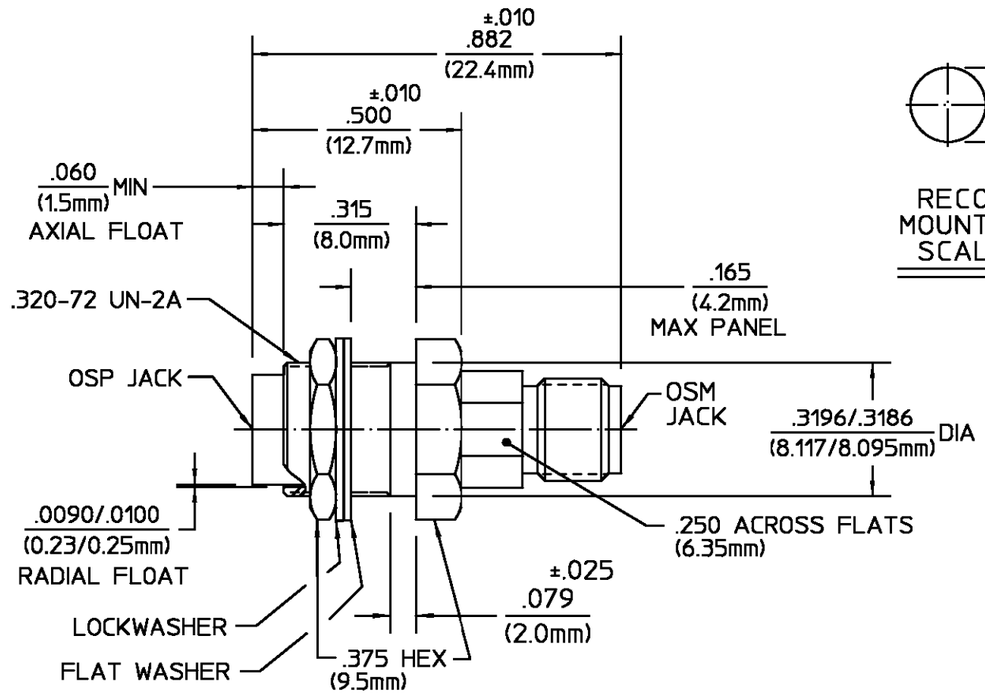


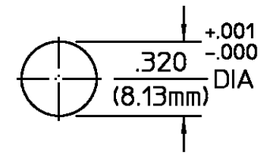


RECOMMENDED
MOUNTING HOLE
SCALE N.T.S.

| REVISIONS | | | |
|---|---|---|---|
| REV | DESCRIPTION | DATE | APPROVED |
| 03 | REVISED | 6/08/98 | PCV |

| COMPONENT | MATERIAL | FINISH |
|---|---|---|
| HOUSING OUTER<br>MOUNTING NUT<br>HOUSING INNER<br>FLAT WASHER | STAINLESS STEEL<br>TYPE 316L | PASSIVATE PER<br>ASTM-A380 |
| DIELECTRIC | TFE FLUOROCARBON<br>PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER<br>ASTM B 196, ALLOY<br>C17300, CONDITION H | GOLD PLATE PER<br>MIL-G-45204 |
| CONTACT RING | BERYLLIUM COPPER PER<br>ASTM B 194, ALLOY<br>C17200, CONDITION H | GOLD PLATED PER<br>MIL-G-45204 |
| CONTACT SLEEVE | BERYLLIUM COPPER PER<br>ASTM B 196, ALLOY<br>C17300, CONDITION H | GOLD PLATE PER<br>MIL-G-45204 |
| SPRING | STAINLESS STEEL<br>TYPE 302 | PASSIVATE PER<br>ASTM-A380 |
| LOCKWASHER | STAINLESS STEEL<br>300 SERIES | PASSIVATE PER<br>ASTM-A380 |

| ELECTRICAL | |
|---|---|
| Nominal Impedance (Ohms) | 50 |
| Frequency Range (GHz) | DC to 18 |
| Volt Rating (VRMS MAX) | |
| @ Sea Level | 335 |
| VSWR | 1.10+.015f(GHz) |
| Insertion Loss (dB MAX) | $.07 \times \sqrt{f(GHz)}$ |
| RF Leakage (dB MIN) | -(60-f(GHz)) |
| Corona, 70,000 Ft (VRMS MIN) | 250 |
| Dielectric Withstanding Voltage | |
| (VRMS MIN) @ Sea Level | 1000 |
| Contact Resistance (Milliohms MAX) | |
| Center Contact | 2.0 |
| Outer Contact | 2.0 |
| Cable to Housing | N/A |
| RF High Potential @ Sea Level | |
| (VRMS MIN @ 5 MHz) | 670 |
| I.R.(Megohms MIN) | 5000 |

| MECHANICAL | |
|---|---|
| Interface Dimensions Per | |
| OMNI SPECTRA CATALOG | |
| Mating Characteristics: | |
| Insertion (MAX Lbs) | 3 |
| Withdrawal (MIN Oz) | 1 |
| OSP Force to Engage (Lbs MAX) | 3 |
| & Disengage (Lbs MAX) | 1.5 |
| OSM Force to Engage | |
| & Disengage (In/lbs MAX) | 2 |
| Center Contact Captivation | |
| Axial (Lbs) | 6 |
| Weight (Grams) | TBD |

| ENVIRONMENTAL |
|---|
| Temperature Rating -65° to +125°C |
| Vibration MIL-STD-202, Method 204, Condition D |
| Shock MIL-STD-202, Method 213, Condition I |
| Thermal Shock MIL-STD-202, Method 107, Condition B except High Temp Shall Be +115°C |
| Moisture Resistance MIL-STD-202, Method 106 |
| Corrosion - MIL-STD-202, Method 101, Condition B |

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCE ON
FRAC. ± 1/64 DEC. ±.005 ANGLES ± 1°

DRAWN BY D. Cpmelio DATE 1/27/93
CHECKED BY
APP'D BY

AMP

*AMP Incorporated*
140 Fourth Avenue
Waltham, MA 02451-7599

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USE ASS'Y PROCEDURE

NO. A.P. N/A

TITLE OSP FLOATING BULKHEAD FEEDTHRU JACK TO OSM JACK ADAPTER

| SIZE | CODE IDENT NO. | | REV |
|---|---|---|---|
| B | 26805 | 4584-5012-02 | 03 |
| SCALE 3:1 | | | SHEET 1 OF 1 |

CUSTOMER DRAWING

AMP PART # 1059746-1
SHEET 1 OF 1 REV A