



|                                   |       |
|-----------------------------------|-------|
| DESIGNED FOR USE WITH<br>.085 S/R |       |
| CABLE ENTRY DIAMETER<br>MINIMUM   |       |
| HOUSING                           | .089  |
| CONTACT                           | .0215 |

| REVISIONS       |                     |                          |                    |
|-----------------|---------------------|--------------------------|--------------------|
| REV             | DESCRIPTION         | DATE                     | APPROVED           |
| 01 <sub>2</sub> | REVISED             | KL<br>7-24-86<br>5/25/97 | <i>[Signature]</i> |
| B               | PER EC 0U20-0262-01 | 19DEC01                  | C. Zhang           |

| ELECTRICAL  | MECHANICAL  | ENVIRONMENTAL   |
|---|---|---|
| Nominal Impedance (Ohms) <u>50</u>  | Interface Dimensions<br><u>DESC SPEC 85071</u>                              | Temperature Rating <u>-65° to +125°C</u>              |
| Frequency Range (GHz) DC to <u>22</u>   | Mating Characteristics:   | Vibration MIL-STD-202, Method<br>204, Condition D     |
| Volt Rating (VRMS MAX)<br>@ Sea Level <u>335</u>                                | Insertion (MAX Lbs) <u>3</u>  | Shock MIL-STD-202, Method 213,<br>Condition I         |
| VSWR <u>1.05+.005f(GHz)</u> DC to 18 GHz<br><u>1.05+.009f(GHz)</u> DC to 22 GHz | Withdrawal (MIN Oz) <u>1</u>  | Thermal Shock MIL-STD-202,<br>Method 107, Condition B |
| Insertion Loss (dB MAX) <u>.03x√f(GHz)</u>                                      | Force to Engage (In-Lbs MAX) <u>3</u><br>& Disengage (In-Lbs MAX) <u>15</u> | Moisture Resistance MIL-STD-202,<br>Method 106        |
| RF Leakage (dB MIN) (Interface Only,<br>Fully Mated) <u>-(90-f(GHz))</u>        | Center Contact Captivation<br>Axial (Lbs) <u>6</u>                          | Corrosion - MIL-STD-202, Method<br>101, Condition B   |
| Corona, 70,000 Ft (VRMS MIN) <u>250</u>   | Cable Retention<br>Axial Force (Lbs MIN) <u>30</u>                          |   |
| Dielectric Withstanding Voltage<br>(VRMS MIN) @ Sea Level <u>1000</u>           | Torque (In-Oz MIN) <u>16</u>  |   |
| Contact Resistance (Milliohms MAX)  | Weight (Grams)  |   |
| Center Contact <u>2.0</u>   |   |   |
| Outer Contact <u>2.0</u>  |   |   |
| Cable to Housing <u>0.5</u>   |   |   |
| RF High Potential @ Sea Level<br>(VRMS MIN @ 5 MHz) <u>670</u>                  |   |   |
| LR.(Megohms MIN) <u>5000</u>  |   |   |

| COMPONENT                             | MATERIAL   | FINISH                        |
|---------------------------------------|--|-------------------------------|
| HOUSING<br>MOUNTING NUT<br>LOCKWASHER | STAINLESS STEEL PER<br>ASTM-A484 AND ASTM-<br>A582, TYPE 303                   | GOLD PLATE PER<br>MIL-G-45204 |
| DIELECTRIC                            | TFE FLUOROCARBON<br>PER ASTM-D-1457  | N/A                           |
| CENTER CONTACT                        | BERYLLIUM COPPER PER<br>ASTM-B-196 OR ASTM-B-197,<br>ALLOY C17300, CONDITION H | GOLD PLATE PER<br>MIL-G-45204 |
| O-RING                                | FLOUROSILICONE PER MIL-R-<br>25988, CLASS 1, TYPE 1                            | N/A                           |

  

|  |               |                    |                    |                |   |
|--|---------------|--------------------|--------------------|----------------|---|
| UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES |               | DRAWN BY<br>M YUEN |                    | DATE<br>1-8-88 | <br>AMP Incorporated<br>140 Fourth Avenue<br>Waltham, MA 02451-7599 |
| FRAC.<br>± 1/64  | DEC.<br>±.005 | ANGLES<br>± 1°     | CHECKED BY<br>MH/M | 1-12-88        |   |
|  |               |                    | APPD BY<br>BAR     | 1-12-88        |   |

  

|                        |   |                         |                        |
|------------------------|---|-------------------------|------------------------|
| USE ASSY PROCEDURE     | TITLE OSP BULKHEAD FEEDTHRU<br>CABLE PLUG DIRECT<br>SOLDER ATTACHMENT |                         |                        |
| NO. A.P. <u>45-164</u> | SIZE<br>B   | CODE IDENT NO.<br>26805 | REV<br>01 <sub>2</sub> |
| <u>408-08291</u>       | SCALE<br>5:1  | SHEET 1 OF 1            |                        |

.XXX = in  
XX.X = mm (REF)