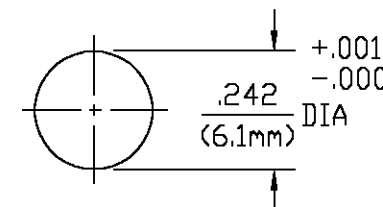


| | |
|--|------|
| DESIGNED FOR USE WITH RG 316/U & SIMILAR CABLES | |
| CABLE ENTRY DIAMETER MINIMUM | |
| HOUSING | .066 |
| FERRULE | .125 |
| CONTACT | .023 |

| REVISIONS | | | |
|-----------------|------------------------------|------------------|-------------------|
| REV | DESCRIPTION | DATE | APPROVED |
| 01 ₀ | RELEASED | 8/31/95 | <i>D. Camello</i> |
| B | REVISED PER ECN 0U20-0262-01 | G.V. 01/06/03 | JGH |


DESIGN CONTROL
REQUIRED



RECOMMENDED
MOUNTING HOLE

| COMPONENT | MATERIAL | FINISH |
|------------------------------------|--|---|
| HOUSING MOUNTING NUT LOCKWASHER | STAINLESS STEEL PER ASTM-A484 AND ASTM- A582, TYPE 303 | GOLD PLATE PER MIL-G-45204 OVER NICKEL PLATE PER QQ-N-290 |
| DIELECTRIC | TFE FLUOROCARBON PER ASTM-D-1457 | N/A |
| CENTER CONTACT | BERYLLIUM COPPER PER ASTM B 196, ALLOY C17300, CONDITION H | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |
| "O" - RING | FLOUROSILICONE PER MIL-R- 25988, CLASS I, TYPEI. | N/A |
| SHRINK TUBING | HEAT SHRINKABLE POLYOLEFIN COMPOUND MIL-I-23053/4 | N/A |
| FERRULE | COPPER OR BRASS ALLOY ROCKWELL F65 MAXIMUM | GOLD PLATE PER MIL-G-45204 OVER COPPER PLATE PER MIL-C-14550 |

| ELECTRICAL | MECHANICAL | ENVIRONMENTAL |
|--|--|---|
| Nominal Impedance (Ohms) <u>50</u> | Interface Dimensions Per <u>OMNI SPECTRA CATALOG</u> | TEMPERATURE RATING <u>-65° TO +125°C</u> |
| Frequency Range (GHz) DC to <u>3</u> | Force to Engage (In-Lbs MAX) <u>3.0</u> & Disengage (In-Lbs MAX) <u>1.5</u> | Vibration MIL-STD-202, Method 204, Condition D, 20Gs |
| Volt Rating (VRMS MAX) @ Sea Level <u>250</u> | Center Contact Captivation Axial (Lbs) <u>6.0</u> | Shock MIL-STD-202, Method 213, Condition I, 100Gs |
| VSWR <u>1.15+0.01f(GHz)</u> DC to 3 GHz | Cable Retention Axial Force (Lbs MIN) <u>20.0</u> | Thermal Shock MIL-STD-202, Method 107, Condition B |
| Insertion Loss (dB MAX) <u>.06x√f(GHz)</u> | Weight (Grams) <u>TBD</u> | Moisture Resistance MIL-STD-202, Method 106 |
| RF Leakage (dB MIN) (Fully Mated) <u>-(60-f(GHz))</u> | | Corrosion - MIL-STD-202, Method 101, Condition B |
| Corona, 70,000 Ft (VRMS MIN) <u>190</u> | | |
| Dielectric Withstanding Voltage (VRMS MIN) @ Sea Level <u>750</u> | | |
| Contact Resistance (Milliohms MAX) | | |
| Center Contact <u>2.0</u> | | |
| Outer Contact <u>2.0</u> | | |
| Cable to Housing <u>0.5</u> | | |
| RF High Potential @ Sea Level (VRMS MIN @ 5 MHz) <u>500</u> | | |
| I.R.(Megohms MIN) <u>5000</u> | | |

| | | |
|--|---|--|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCE ON FRAC. DEC. ANGLES ± 1/64 ±.005 ± 1° | DRAWN BY <i>D. Camello</i> DATE 8/31/95 |  AMP Incorporated 140 Fourth Avenue Waltham, MA 02451-7599 |
| | CHECKED BY | |
| These drawings and specifications are the property of M/A-COM Incorporated and shall not be reproduced or copied or used in whole or in part as the basis for the manufacture or sale of item(s) without written permission. | APP'D BY <i>D. Camello</i> 8/31/95 | TITLE DSP BULKHEAD FEEDTHROUGH CABLE PLUG - CRIMP ATTACHMENT |
| | USE ASSY PROCEDURE 408-08271 (45-018) NO. A.P. _____ | SIZE B CODE IDENT NO. 26805 1250-2458-00 REV 01 ₀ |
| | SCALE 3:1 | SHEET 1 OF 1 |

CUSTOMER DRAWING

AMP PART # 1080227-1
SHEET 1 OF 1 REV B