

# CA-DMDM

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7-16 DIN Male to 7-16 DIN Male Adapter

## Product Classification

**Product Type** Adapter

## General Specifications

**Body Style** Straight

**Inner Contact Plating** Silver

**Interface** 7-16 DIN Male

**Interface 2** 7-16 DIN Male

**Mounting Angle** Straight

**Outer Contact Plating** Trimetal

**Pressurizable** No

## Dimensions

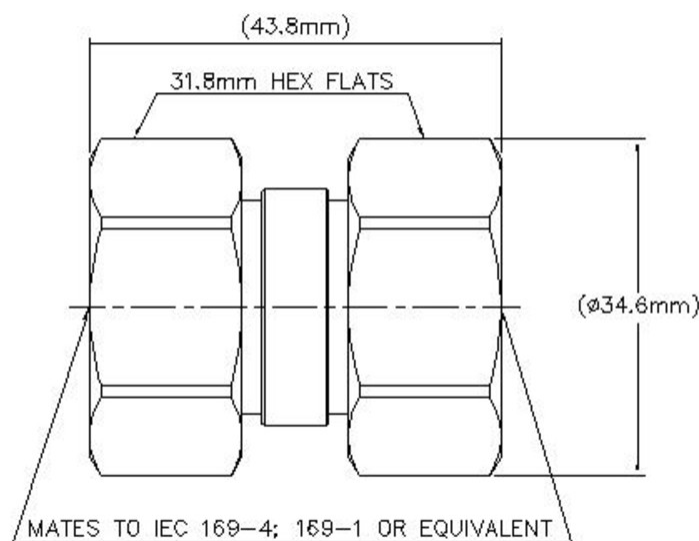
**Width** 31.75 mm | 1.25 in

**Length** 43.8 mm | 1.724 in

**Diameter** 35.92 mm | 1.414 in

## Outline Drawing

# CA-DMDM



## Electrical Specifications

|                                      |                     |
|--------------------------------------|---------------------|
| Average Power at Frequency           | 1,300.0 W @ 900 MHz |
| Connector Impedance                  | 50 ohm              |
| dc Test Voltage                      | 4000 V              |
| Inner Contact Resistance, maximum    | 0.4 mOhm            |
| Insulation Resistance, minimum       | 10000 MOhm          |
| Operating Frequency Band             | 0 – 6000 MHz        |
| Outer Contact Resistance, maximum    | 1.5 mOhm            |
| Peak Power, maximum                  | 28.8 kW             |
| RF Operating Voltage, maximum (vrms) | 1200 V              |

## VSWR/Return Loss

| Frequency Band | VSWR  | Return Loss (dB) |
|----------------|-------|------------------|
| 0-3000 MHz     | 1.032 | 36.06            |
| 3000-6000 MHz  | 1.135 | 23.98            |

## Mechanical Specifications

|                                  |                        |
|----------------------------------|------------------------|
| Coupling Nut Proof Torque        | 50 N-m   442.537 in lb |
| Coupling Nut Proof Torque Method | IEC 61169-4:9.3.6      |
| Coupling Nut Retention Force     | 800 N   179.847 lbf    |

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|                                     |                     |
|-------------------------------------|---------------------|
| Coupling Nut Retention Force Method | IEC 61169-16:9.3.11 |
| Insertion Force                     | 200 N   44.962 lbf  |
| Insertion Force Method              | IEC 61169-4:15.2.4  |
| Interface Durability                | 500 cycles          |
| Interface Durability Method         | IEC 61169-4:9.5     |
| Mechanical Shock Test Method        | IEC 60068-2-27      |

## Environmental Specifications

|  |                                       |
|--|---------------------------------------|
| Operating Temperature                      | -55 °C to +85 °C (-67 °F to +185 °F)  |
| Storage Temperature                        | -65 °C to +125 °C (-85 °F to +257 °F) |
| Attenuation, Ambient Temperature           | 20 °C   68 °F                         |
| Average Power, Ambient Temperature         | 40 °C   104 °F                        |
| Average Power, Inner Conductor Temperature | 100 °C   212 °F                       |
| Climatic Sequence Test Method              | IEC 60068-1                           |
| Corrosion Test Method                      | IEC 60068-2-11                        |
| Damp Heat Steady State Test Method         | IEC 60068-2-3                         |
| Immersion Depth                            | 1 m                                   |
| Immersion Test Mating                      | Mated                                 |
| Immersion Test Method                      | IEC 60529:2001, IP68                  |
| Thermal Shock Test Method                  | IEC 60068-2-14                        |
| Vibration Test Method                      | IEC 60068-2-6                         |

## Packaging and Weights

|             |                     |
|-------------|---------------------|
| Weight, net | 118.43 g   0.261 lb |
|-------------|---------------------|

## Regulatory Compliance/Certifications

| Agency        | Classification   |
|---------------|--|
| CHINA-ROHS    | Below maximum concentration value  |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system   |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.andrew.com/ProductCompliance">www.andrew.com/ProductCompliance</a> |
| ROHS          | Compliant  |
| UK-ROHS       | Compliant  |



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\* Footnotes

**Immersion Depth**      Immersion at specified depth for 24 hours