



Datasheet for part number MDM-51PH001M7

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| Our Catalog Part Number: MDM-51PH001M7                                   |
| Our Global Manufacturing Part Number: 096522-1294                        |
| Brand: Cannon Product Category: Micro Product Line: Micros Series: MICRO |

| Product Datasheet               |                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Series                          | Micro "D" Metal Shell                                                                                   |
| Arrangement                     | 51 Contact                                                                                              |
| Gender                          | Pin                                                                                                     |
| Contact Material                | Gold plated copper alloy                                                                                |
| Contact Type                    | Crimp                                                                                                   |
| Contact Resistance              | 8 milliohms max.                                                                                        |
| Termination Type                | 18" Min, M16874/4, Yellow                                                                               |
| Wire Gauge (AWG)                | #26 AWG Wire                                                                                            |
| Shell Material                  | Aluminum                                                                                                |
| Shell Finish                    | Yellow Chromate/Cadmium over Nickel                                                                     |
| Insulator Material              | Contact size 9 to100 = liquid crystalline polymer, contact arrangements 7C2 or 24C4 = Diallyl phthalate |
| Hardware                        | Jackpost, M83513/5-07 - Style                                                                           |
| Coupling                        | Jackscrew Coupling                                                                                      |
| Current Rating                  | 3 A max.                                                                                                |
| Dielectric Withstanding Voltage | 600 VAC at sea level<br>150 VAC at 70,00' altitude                                                      |
| Insulator Resistance            | 5000 megohms min.                                                                                       |
| Thermal Shock                   | -55°C to +125°C                                                                                         |
| Physical Shock                  | 50 G's, 3 axes, 6 milisecond duration sawtooth pulse                                                    |
| Vibration                       | 20G's, 10-2000 Hz. 12 hours                                                                             |
| Durability                      | 500 cycles of mating and unmating, 500 CPH max.                                                         |
| Moisture Resistance             | Insulator resistance > 100 megohms                                                                      |
| SaltSpray                       | 48 hours                                                                                                |