



Datasheet for part number MDM-51SH010K-A174

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| Our Catalog Part Number: MDM-51SH010K-A174 |  |
| Brand: Cannon                              | Product Category: Micro Product Line: Micros Series: MICRO |

| Product Datasheet               |  |
|---------------------------------|--|
| Series                          | Micro "D" Metal Shell  |
| Arrangement                     | 51 Contact   |
| Gender                          | Socket   |
| Contact Material                | gold plated copper alloy   |
| Contact Typ                     | crimp  |
| Contact Resistance              | 8 milliohms max.   |
| Termination Type                | 30" Min, M16874/4 #26AWG, Yellow   |
| Shell Material                  | Aluminum   |
| Shell Finish                    | Electroless Nickel   |
| Insulator Material              | contact size 9 to100 = liquid crystalline polymer,<br>contact arrangements 7C2 or 24C4 = Diallyl phthalate |
| Hardware                        | Jackscrew (standard)   |
| 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°/+125°   |
| 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   |