



Datasheet for part number MDM-51SH003F-A174

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| Our Catalog Part Number: MDM-51SH003F-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                | 18" Min, M16874/4 #26AWG, Colored Code  |
| Shell Material                  | Aluminum  |
| Shell Finish                    | Electroless Nickel  |
| Insulator Material              | contact size 9 to100 = liquid crystalline polymer, contact arrangements 7C2 or 24C4 = Diallyl phthalate |
| Hardware                        | Float Mount   |
| Coupling                        | Friction 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  |