

05-1592 10-7SF

Specifications

Attribute	Value
General Specifications	
Manufacturer	Thorn Electrical Industries (Legacy Military Component Division)
Part Number	05-1592 10-7SF
Connector Type	Circular Mil-Spec (Equivalent to MS-E / MS-F Series)
Number of Positions	7 Pins / Contacts
Shell Size	10 (Standard miniature military layout)
Insert Arrangement	10-7 (7 #16 size contacts symmetrically arranged)
Contact Gender	Socket (Female Contacts)
Termination Style	Solder cup / Rigid Wire Wrap
Electrical Performance	
Current Rating	13 Amps maximum per contact (Based on standard Size #16 AWG military-spec contact limitations)
Operating Voltage: Service Rating A	500 VDC / 700 VAC at sea level.
Operating Voltage: Test Voltage	Up to 2000 VAC (RMS) to prevent flash-over.
Insulation Resistance	Min. 5,000 Megohms at 500 VDC.
Contact Resistance	Under 5 milliohms maximum.
Mechanical & Environmental Data	
Shell Material	Aluminum Alloy (High-grade aerospace tooling)
Plating	Olive Drab Chromate over Cadmium or Anodized Protective Coating
Insulator Insert	Resilient synthetic rubber/neoprene (Environmental interfacial seal)
Mating Type	Fine Threaded / Screw-coupling
Operating Temperature Range	-55°C to +125°C (-67°F to +257°F)
Environmental Protection	Fully sealed against moisture, heavy condensation, dust penetration, and multi-axis industrial vibrations when correctly mated.