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SPEC \$ 6.69 (USD)

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Series 100 Chip-Cap Filtered Connectors



These versatile and widely used PCB connectors are an inexpensive filtering method that eliminates the problem of conducted electromagnetic interference (EMI).

Chip-cap plug and receptacles are available in 9, 15, 25 and 37 positions. These connectors are "drop-in" replacements for non-filtered subminiature D connectors with matched PCB footprints.

Features

- Offer economical, high performance EMI/RFI protection
- Matched .318", .405", and .590" PCB footprints mean "Drop-in" replacement for non-filtered connectors
- Low cost chip capacitors
- Connectors have industry standard interface
- Connector insulators made of UL94 V-0 rated high temperature, thermoplastic
- Connector body is recognized under the Component Program of Underwriters Laboratories, Inc.
- Connector body is certified by the Canadian Standards Association
- RoHS compliant versions available, consult factory for mechanical differences

Mechanical Specifications

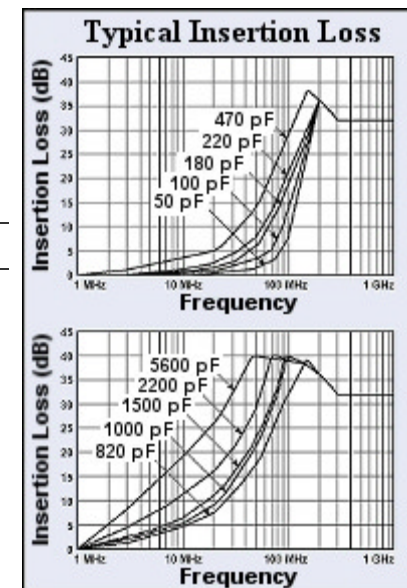
Shells

Steel, tin plated

Insulators

94 V-0 rated thermoplastic, black

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<i>Eyelets</i>	Brass, tin plated
<i>Threaded inserts</i>	Zinc
<i>Boardlocks</i>	Steel, tin plated
<i>Pin Contacts</i>	Brass
<i>Socket Contacts</i>	Phosphor Bronze
<i>Contact Plating</i>	Duplex Plated as follows: 15uin.(.38um) gold on mating end, with entire contact 50uin (1.27um) min. nickel underplating

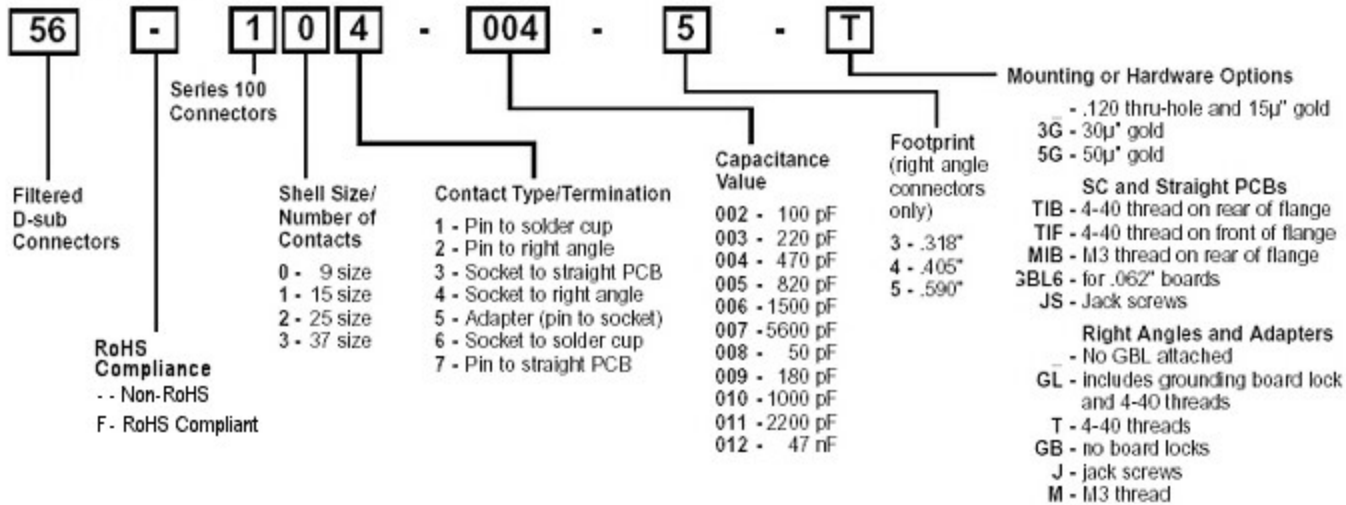
Performance Specifications

<i>Current Rating</i>	5 Amps
<i>Contact Resistance</i>	8 Milliohms max.
<i>Capacitance</i>	50, 10, 180, 220, 470, 820, 1,000, 1,500, 2,200, 5,600 pF and 47 nF +- 20% (custom values & select loading available)
<i>Dielectric Withstanding Voltage</i>	700 VDC min for 5 sec.
<i>Insulator Resistance</i>	500 Megaohms min. @ 100 VDC
<i>Working Voltage</i>	200 VDC

Ordering Information

This part number represents a Series 100 connector with a shell size of 9 and a socket to right angle configuration. The capacitance value is 470 pF and the connector has a .590" footprint with 4-40 threads.

Example: **56-104-004-5-T**



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