



DC-6 GHz

MC-Card series are microminiature, 50-Ohm connectors that feature snap-on mating and a frequency range of DC-6 GHz.

MC-Card connectors are an alternative to MMCX connectors in many wireless and telecom applications.

They are similar to MMCX in performance, feature quick snap-on mating and unmating, and are designed to withstand a minimum of 5000 mating cycles. Delta MC-Card connectors are available for several sizes of flexible cable, and as PCB receptacles.

The edge-card switching receptacles on page 4 automatically switch from an internal circuit and an external circuit when lated. They are ideal for use in applications such as portable computers operating in wireless networks, allowing for automatic switching between the internal antenna and a higher-gain external antenna.

TECHNICAL SPECIFICATIONS

- Electrical :

Impedance	50 ohms
Frequency Range	DC-6 GHz (DC-3 GHz for internal circuit of switching receptacles).
Voltage Rating	100 VRMS max
Dielectric Withstanding Voltage	250 VRMS min.
Contact Resistance	Center contact, 5 milliohms max Outer Contact, 3 milioohms max
Insulation Resistance	500 megohms min.

- Environmental:

Temperature Range	-25-125°C
Temperature/Humidity Cycling	IEC 68-2-38;-20-80°C, 93% humidity, 3 hours, 5 cycles
Vibration	MIL-STD-202, Method 201A; 10-55 Hz, 120 cycles, 1 minute/Cycle
Thermal Shock	-65-125°C, 30 minutes, 5 cycles
Salt Spray	35°C, 48 hours, 85% RH,5% concentration



- Mechanical:

Mating Force	7.0 N max
Unmating Force	9.0 N min
Durability	5,000 cycles

- Materials/Finishes

Insulators	Teflon
Inner Contacts	Beryllium Copper (female) or Brass (male)
Springs	Stainless Steel
Other Metal Parts	Brass
Finish	Cable Connector Bodies, nickel plated; All other metal parts, gold plated.