

MMCX Series

MMCX



Description

The MMCX family of products is a 6GHz 50ohm interconnect system.

Applications

- PCMCIA Cards
- Wireless Application
- Antennas
- Wireless LANs
- Broadband Communications
- Instrumentation * RF Test Ports
- Cellular Telephones
- Global Positioning Systems(GPS)
- Base Stations
- Radio Boards
- Satellite Reception Terminals

Features

- Mating cycles >500
- Conforms to CECC 22000 specifications

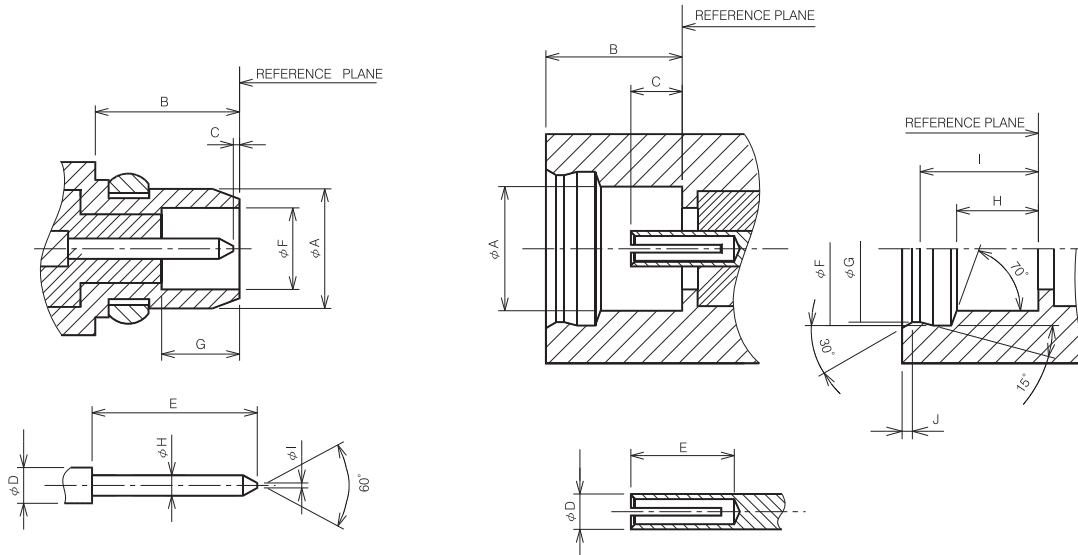
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MMCX - Specification

MMCX . micro-miniature connectors are designed with a 50 ohm characteristic impedance. The working frequency is up to 6 GHz. The reliable snap-on mating design offers "low RF-leakage ". Also , the small dimensions allow you to use the connectors where space requirements are critical.

The major application for MMCX series connectors are PCMCIA cards &other small hand-held communication devices.

Interface Mating Dimensions:



PLUG

Letter	Millimeters	
	Minimum	Maximum
A	-	2.40(.094)
B	2.70(.106)	-
C	0.00(.000)	0.25(.010)
D	0.70(.028)nom	
E	-	3.15(.124)
F	1.58(.062)	1.62(.064)
G	1.45(.057)	-
H	0.38(.015)	0.42(.017)
I	-	0.20(.008)

JACK

Letter	Millimeters	
	Minimum	Maximum
A	2.41(.095)	-
B	2.60(.102)	-
C	0.90(.035)	1.20(.047)
D	0.70(.028)nom	
E	1.40(.055)	-
F	3.00(.118)	3.04(.120)
G	2.88(.113)	2.90(.114)
H	1.57(.062)	1.63(.064)
I	2.30(.091)	2.34(.092)
J	-	0.23(.009)

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Electrical :

Impedance	50 ohm
Frequency Range	0 to 6 GHz
Working Voltage	170 Vrms max.
Insulator resistance	500 Megohms min.
Dielectric withstanding Voltage	Voltage 500 Volts rms min
Contact resistance	Center Contact : 10.0 milliohms max. Outer contact : 5.0 milliohms max.
VSWR	Straight connector : 1.25 max. R/A connector : 1.35 max.

Mechanical & Environmental :

Mechanical Data	Detail
Engagement force	3.4 lbs max
Disengagement force	1.4 lbs~3.4 lbs
Connector durability	500 matings
Cable retention force	RG178 = 7.3 lb min RG316 = 12.1 lb min
Environmental Data	Detail
Corrosion (Salt spray)	MIL-STD-202F, Method 101D , Condition A
Thermal shock	MIL-STD-202F, Method 1017G , Condition A
Vibration	MIL-STD-202F, Method 204D , Condition A
Mechanical shock	MIL-STD-202F, Method 213B , Condition A

Material :

	Material	Plating
Bodies	Brass	Gold or Nickel
Center Contact	Male: Brass Gold Female: Beryllium-Copper	Gold -
Insulation	Teflon	-
Crimp Ferrule	Annealed Copper	Gold or Nickel