

MMCX Specifications 27

MMCX Plug



MMCX Jack



ELECTRICAL

Impedance	50 ohms
Frequency	DC to 6GHz
VSWR	1.35:1 Max. Straight 1.63:1 Max. Right Angle
Insertion Loss	0.2dB Max. Straight 0.6dB Max. Right Angle
RF Leakage	-60dB Minimum
Insulation Resistance	1Gohms Minimum
Inner Contact Resistance	5mohms Maximum
Outer Contact Resistance	1mohms Maximum
Working Voltage	170V RMS
Dielectric Withstanding Voltage	500V RMS

MECHANICAL

Durability	500 mating cycles
Cable Retention	equal to cable breaking strain

ENVIRONMENTAL

Temperature Range	-65 to +165 degrees centigrade
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MATERIALS

Bodies	Brass, Gold Plated
Pins	Brass, Gold Plated
Contacts	Beryllium Copper, Gold Plated
Ferrules	Brass, Gold Plated
Insulators	PTFE
End Caps	Brass, Gold Plated
Gaskets	Silicon Rubber
Panel Nuts	Brass, Gold Plated
Panel Washers	Brass, Gold Plated

The above specifications are typical although some variations may occur.

EURO RADIO SYSTEM

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28 MMCX Cable and PCB Mounting

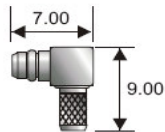
Crimp Plug



PART NUMBER	CABLE TYPE(S)	PLATING	IMPEDANCE	STRIP DIMS	HEX SIZES
MM15-D316-C01	RD316	Gold	50	M15	H8
MM15-0174-C01	RG174, 188, 316	Gold	50	M15	H1
MM15-0178-C01	RG178, 196	Gold	50	M15	H1

Strip Dimensions - see Illustration S.1
M15: A = 5.0mm B = 1.0mm C = 1.5mm

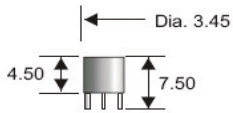
Crimp Right Angle Plug



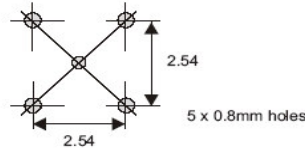
PART NUMBER	CABLE TYPE(S)	PLATING	IMPEDANCE	STRIP DIMS	HEX SIZES
MM17-D316-C01	RD316	Gold	50	M16	H8
MM17-0174-C01	RG174, 188, 316	Gold	50	M16	H1
MM17-0178-C01	RG178, 196	Gold	50	M16	H1

Strip Dimensions - see Illustration S.1
M16: A = 5.0mm B = 1.5mm C = 1.5mm

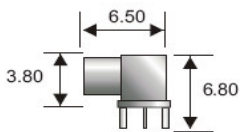
Vertical PCB Jack



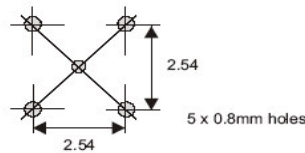
PART NUMBER	PLATING	IMPEDANCE
MM10-X150-N01	Gold	50



Right Angle PCB Jack



PART NUMBER	PLATING	IMPEDANCE
MM10-X170-N01	Gold	50



Crimp Hex Sizes:
 See Page 85 for crimp hex sizes.

Illustration S.1

