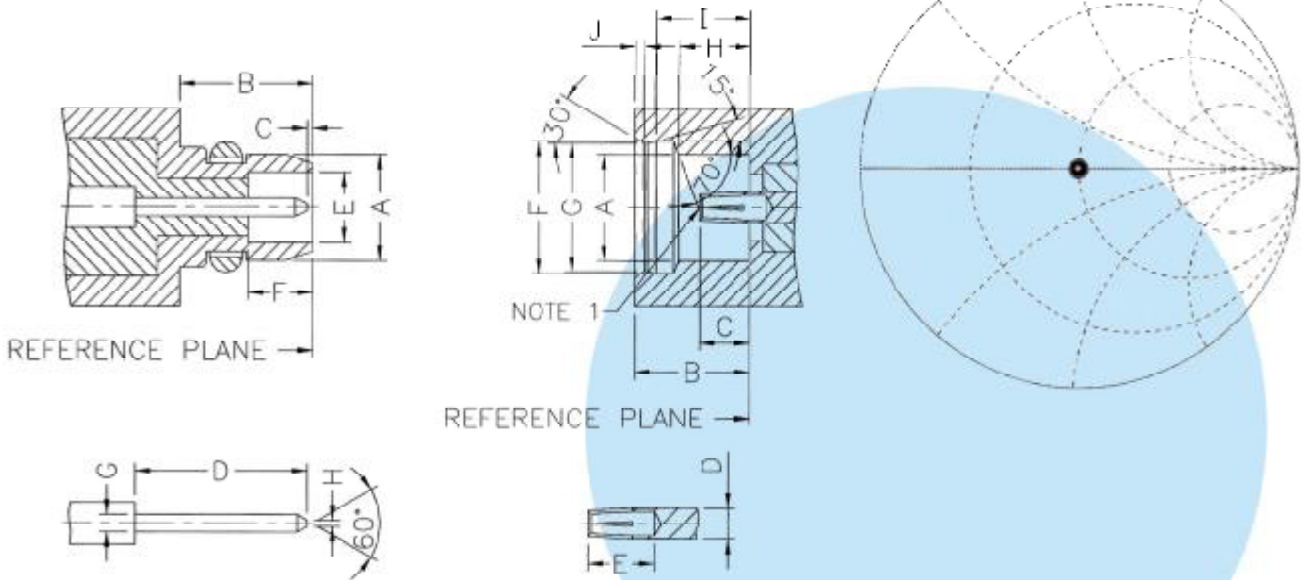


MMCX Series

MMCX series are intended for use in applications where the smallest dimensions have to be achieved.

MMCX connectors can be used in applications from DC to 6 GHz and aim to meet the expanding needs of surface mount coaxial interconnection system as well as the conventional connector styles for flexible and semi-rigid cables.

INTERFACE MATING DIMENSIONS



NOTE 1: I.D. TO MEET VSWR AND CONTACT RESISTANCE WHEN MATED WITH 0.38/0.42 MM DIA. PIN.



PLUG		
Letter	Millimeters	
	Minimum	Maximum
A	-	2.40
B	2.70	-
C	0.00	0.25
D	-	3.15
E	1.58	1.62
F	1.45	-
G	0.38	0.42
H	-	0.20

JACK		
Letter	Millimeters	
	Minimum	Maximum
A	2.41	-
B	2.60	-
C	0.90	1.20
D	0.68	0.72
E	1.40	-
F	3.00	3.04
G	2.87	2.90
H	1.57	1.63
I	2.30	2.34
J	-	0.23

Specifications

Electrical		
Impedance		50 ohm
Frequency Range		0 - 6 GHz
Working Voltage		170 VRMS max.
Dielectric Withstanding Voltage		500 VRMS min.
VSWR	Straight	1.3 max
	Right Angle	1.5 max
Contact Resistance	Center Contact	5 Milliohms Max.
	Outer Contact	2.5 Milliohms Max.
Insulator Resistance		1000 Megohms min.

Material		
Parts Name	Material	Finish
Body, Metal Parts	Brass per QQ-B-626	Nickel or Gold per requirement
Center Contacts	Plug: Brass per QQ-B-626	Gold
	Jack: Beryllium copper per QQ-C-530	Gold
Insulators	Teflon	None
Crimp Ferrules	Annealed copper	Nickel or Gold per requirement

NOTE: Other Material/Finish is Available on Request.

Mechanical & Environmental	
Engagement Force	3.4 lbs. max.
Disengagement Force	1.4 lbs.- 3.4 lbs.
Contact Retention	2.3 lbs. min.
Durability (Mating)	500 cycles min. (for Beryllium copper jack contact only)
Temperature Range	-65°C to 155°C
Vibration	3 cycles, 3 opposite directions, 10-150 Hz, 10-60 Hz: 0.75mm, 030 in., 60-150Hz 10G's
Temperature Shock	MIL-STD-202 Method 107
Humidity	MIL-STD-202 Method 103, Condition B.
Mechanical Shock	MIL-STD-202 Method 213, Condition B.