

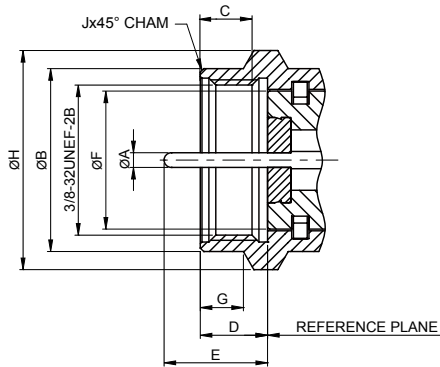
F SERIES Coaxial Connectors

FEATURES

F connectors are 75Ω impedance connectors for applications up to 2GHz.

INTERFACE MATING DIMENSIONS

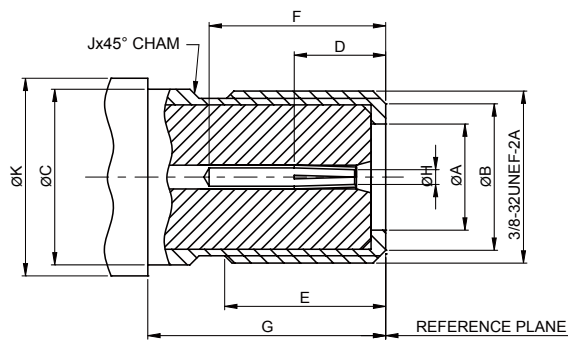
PLUG:



NOTE: Complies With ANSI/SCTE 124 2006 Standard

Letter	Millimeters(Inch)	
	Minimum	Maximum
A	0.76(.030)	1.07(.042)
B	10.41(.410)	11.05(.435)
C	3.97(.156)	-
D	4.29(.169)	6.10(.240)
E	6.35(.250)	9.53(.375)
F	7.11(.280)	-
G	1.78(.070)	4.45(.175)
H	-	16.61(.654)
J	0.25(.010)	0.76(.030)

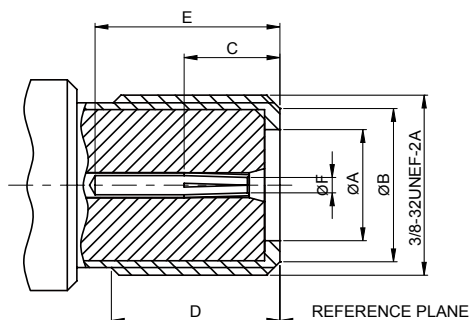
JACK OUTDOOR:



NOTE: Complies With ANSI/SCTE 01 2006 Standard

Letter	Millimeters(Inch)	
	Minimum	Maximum
A	4.32(.170)	6.10(.240)
B	7.11(.280)	8.00(.315)
C	9.35(.368)	9.65(.380)
D	-	5.08(.200)
E	8.26(.325)	8.89(.350)
F	9.65(.380)	-
G	12.32(.485)	13.08(.515)
H	-	1.73(.068)
J	0.25(.010)	0.76(.030)
K	10.80(.425)	-

JACK INDOOR:



NOTE: Complies With ANSI/SCTE 02 2006 Standard

Letter	Millimeters(Inch)	
	Minimum	Maximum
A	4.32(.170)	6.10(.240)
B	7.11(.280)	8.00(.315)
C	-	5.08(.200)
D	8.26(.325)	-
E	9.65(.380)	-
F	-	1.73(.068)

TECHNICAL DATA

Electrical Data	
Impedance	75 Ω
Frequency Range	DC up to 2GHz
RF-leakage	\geq -90dB at 2 GHz

Mechanical Data	
Female Contact Accepts Plug Pin Size	0.57 to 1.07mm (.022 - .042inch)
Durability (matings)	500(min)

Environmental Data	
Temperature range	-65°C...+165°C
Thermal Shock	MIL STD 202, Method 107, Condition B
Moisture Resistance	MIL STD 202, Method 106
Corrosion	MIL-STD-202, Method 101, Condition B



MESA MICROWAVE

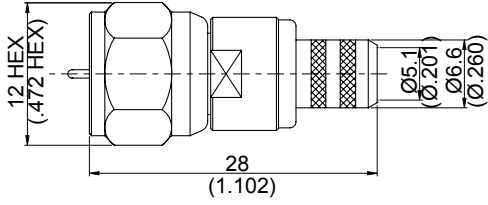


Figure 1

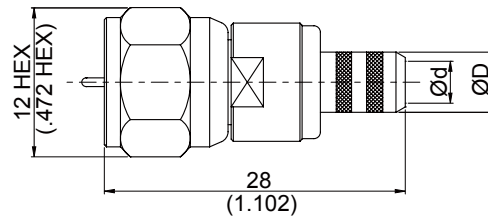


Figure 2

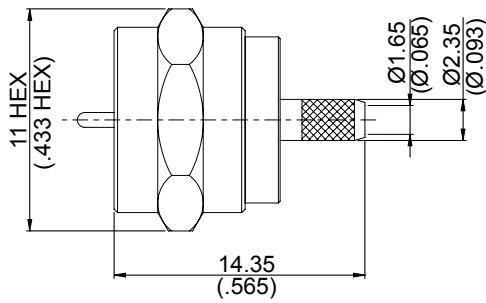


Figure 3

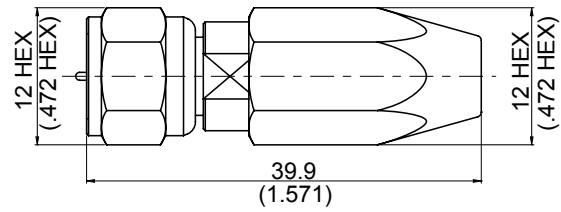


Figure 4

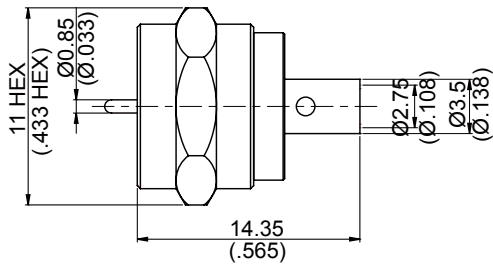


Figure 5

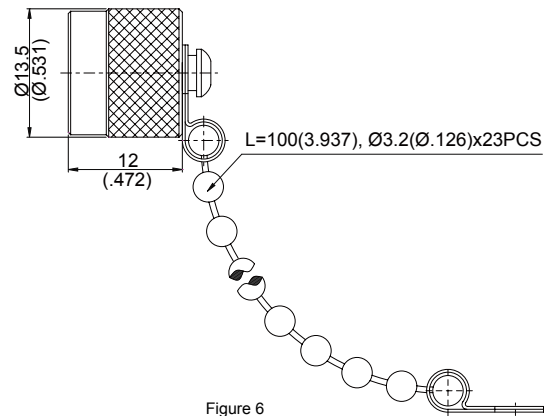


Figure 6

PART NUMBER	Fig.	Measurements	Weight	Material	Suitable Cable	Remarks
F PLUG CRIMP						
MMCFCP-6	1		11.99g	A11	RG6	
MMCFCP-058	2	ød=3.1(.122) øD=4.4(.173)		A11	RG58, M195	Using a 75ohm F Connector On 50ohm Cable Results In Impedance Mismatch & Poor RF Performance
MMCFCP-059	2	ød=3.9(.154) øD=5.6(.220)	12.14g	A11	RG59	
MMCFCP-142	2	ød=3.1(.122) øD=4.4(.173)		A11	RG55, RG142, RG142-E, RG400	Using a 75ohm F Connector On 50ohm Cable Results In Impedance Mismatch & Poor RF Performance
MMCFCP-223	2	ød=3.1(.122) øD=4.4(.173)	11.88g	A11	RG223	Using a 75ohm F Connector On 50ohm Cable Results In Impedance Mismatch & Poor RF Performance
MMCFCP-179	3		4.71g	A11	RG179, RG179-FEP	
MMCFCP-316	3		4.73g	A11	RG174, RG188, RG316, RG316-E, RG316-FEP	Using a 75ohm F Connector On 50ohm Cable Results In Impedance Mismatch & Poor RF Performance
MMCFCP-316D	3		4.6g	A11	RD316, RG316D-E, RD316-FEP	Using a 75ohm F Connector On 50ohm Cable Results In Impedance Mismatch & Poor RF Performance
F PLUG CLAMP						
MMCFCLP-058	4		22.43g	A11	RG55, RG58, RG142, RG142-E, RG223, RG400, M195	Water proof (IP68 compliant when mated); Using a 75ohm F connector on 50ohm cable results In impedance mismatch & poor RF performane
MMCFCLP-059	4		29.99g	A11	RG59	Water proof (IP68 compliant when mated)
F PLUG SOLDER						
MMCFSP-085	5			A16	75ohm.085 Semi-rigid	
F PLUG CAP						
MMCFCP-WC	6		9.74g	11		With Chain

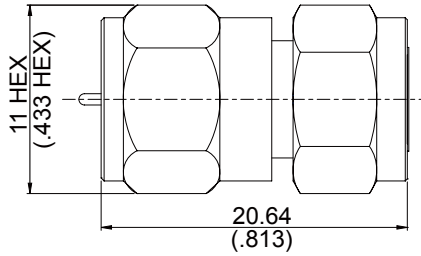


Figure 1

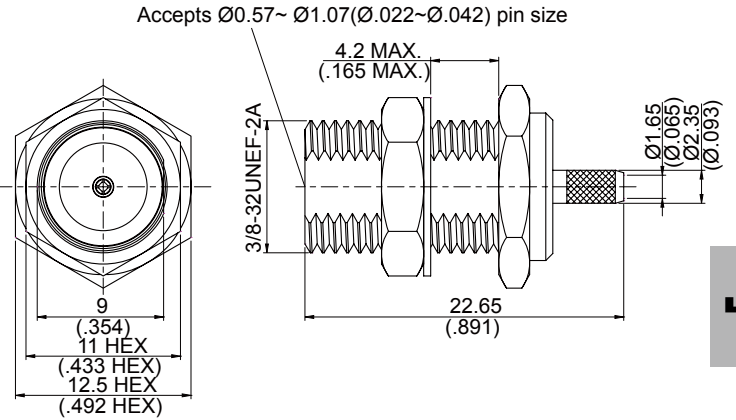


Figure 2

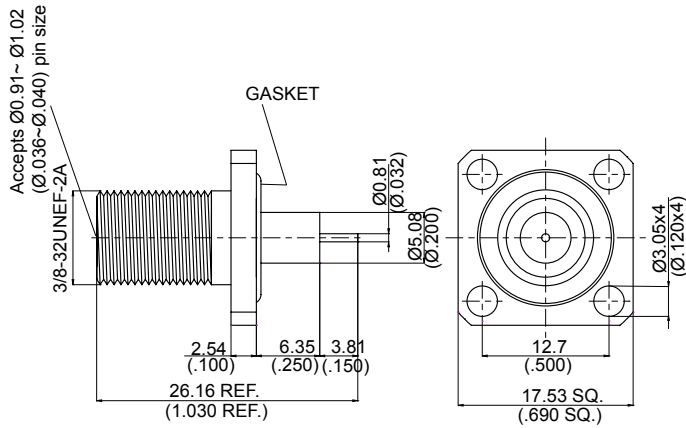
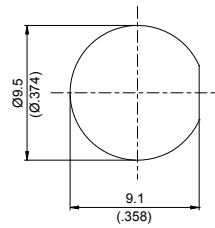
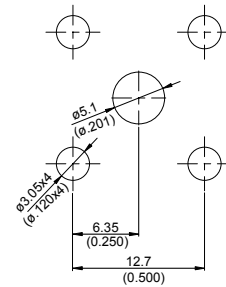


Figure 3



M.H 148



M.H 149

PART NUMBER	Fig.	M.H	Weight	Material	Suitable Cable	Remarks
F PLUG TERMINATOR						
MMCFPT2W-1Z	1			C11		2 Watt Average Power, VSWR ≤1.2 up to 1GHz
F JACK SOLDER FOR BULKHEAD						
MMCFBHSJ-179	2	148		C17	RG179, RG179-FEP	F Jack Indoor Interface
MMCFBHSJ-316	2	148		C17	RG174, RG188, RG316, RG316-E, RG316-FEP	F Jack Indoor Interface ; Using a 75ohm F Connector On 50ohm Cable Results In Impedance Mismatch & Poor RF Performance
MMCFBHSJ-316D	2	148	7.92g	C17	RD316, RG316D-E, RD316-FEP	F Jack Indoor Interface ; Using a 75ohm F Connector On 50ohm Cable Results In Impedance Mismatch & Poor RF Performance
F JACK FOR PANEL RECEPTACLE						
MMCFPRJ	3	149	8.2g	B11		F Jack Indoor Interface