

射頻同軸連接器
TYPE RF Connector

F型连接器典型用于75Ω电缆分配系统,特别是CATV,广播电视网络,它既可用于有阻抗匹配要求的场合,也可用于非匹配场合。其特点是螺纹连接、插合方便、价格适宜。

F型连接器可与国际上同类产品互换使用。FL10产品为M10X0.75螺纹,结构与F型相同。

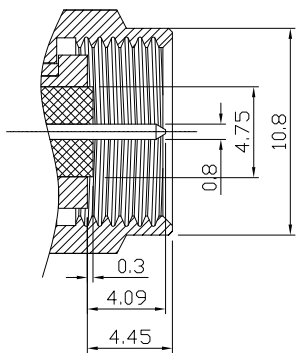
F-type connectors are typically used in 75Ω cable distribution systems, especially CATV, broadcast and television networks. It can be used in occasions where impedance matching is required, and it can also be used in non-matching occasions. It is characterized by threaded connection, convenient insertion and reasonable price.

F-type connectors can be used interchangeably with similar products in the world. FL10 product is M10X0.75 thread, the structure and performance are the same as F type.

界面尺寸

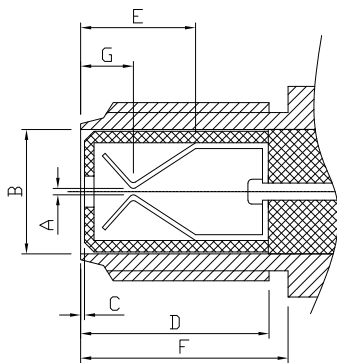
INTERFACE MATING DIMENSIONS

插头 Plug



Plug		
Code	Millimeters	
	Min	Max
A	4.95	6.86
B	-	7.29
C	-	0.25
D	0.51	1.63
E	-	12.95
F	-	3.80

插座 Jack



Jack		
Code	Millimeters	
	Min	Max
A	0.51	1.63
B	3.86	-
C	0.30	-
D	5.56	-
E	7.00	-
F	7.59	-
G	-	4.70

主要技术特性

MAJOR TECHNICAL CHARACTERISTICS

温度范围 Temp.range -40~+60℃

振 动 Vibration 100m/s² (10~500Hz)

特性阻抗 Impedance 75Ω

频率范围 Frequency Range DC~1GHz

工作电压 Working Voltage 170V max (有效值)

耐 压 Withstand Voltage 500V rms (海平面有效值)

接触电阻 Contact resistance

内导体之间 Center Contact $\leq 10 \text{ m}\Omega$

外导体之间 Outer Contact $\leq 5 \text{ m}\Omega$

绝缘电阻 Insulation resistance $\geq 1000 \text{ M}\Omega$

电压驻波比 VSWR

直式 Straight ≤ 1.20

弯式 Right angle ≤ 1.30

耐用性 Durability(mating) ≥ 500 次(cycles)

材料与涂覆

MATERIAL & PLATING

壳体 shell 黄铜 brass 镀亮镍 nickel plated

插针 contact pin 黄铜 brass 镀金或银 gold or silver plated

弹性接触件 elastic contact 锡青铜 beryllium or tin brass 镀金或银 gold or silver plated

绝缘体 insulator 聚四氟乙烯或聚乙烯 PTFE or PE

压接套 crimping suite 铜合金 copper alloy 镀亮镍 nickel or gold plated

o型密封件 o-ring sealing 硅橡胶 6146 silastic

适用技术标准

APPLICABLE STANDARD

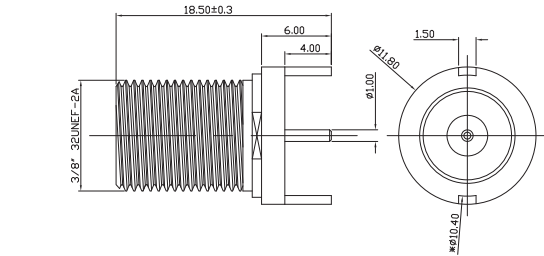
IEC 61169-24

F头板端 F head board port

Name: F JACK FOR PCB

Code: **HMT-F-PCB-001**

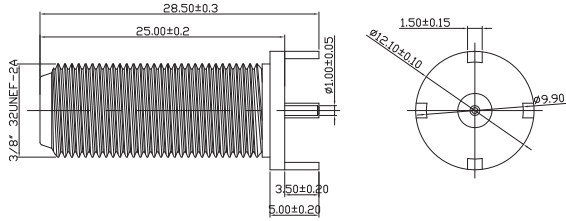




Name: F JACK FOR PCB

Code: **HMT-F-PCB-002**

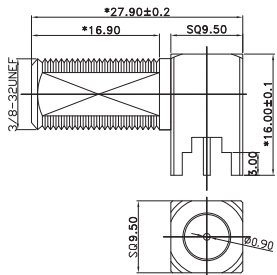




Name: F JACK FOR PCB

Code: **HMT-F-PCB-003**



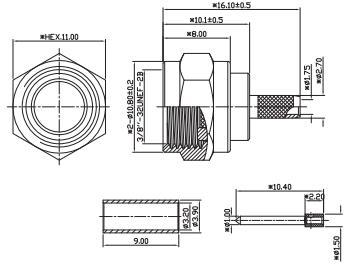


F头接线 F head wiring

Name: F PLUG FOR CABLE

Code: **HMT-F-CAB-004**





Name: F JACK FOR CABLE

Code: **HMT-F-CAB-005**



