

SMB

小型射頻同軸連接器

TYPE RF Connector

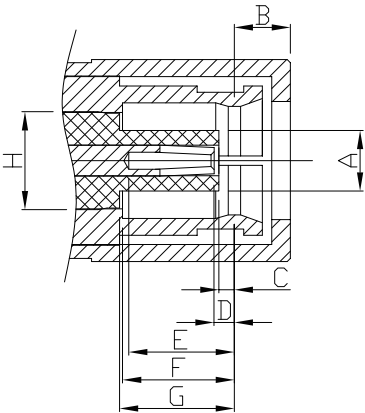
SMB系列产品是一种推入锁紧式连接器,它具有体积小、重量轻、电性能优良、使用方便的特点,适用于无线电设备及电子仪器的射频回路中连接射频同轴电缆用。

The SMB series product is a push-in locking connector, which has the characteristics of small size, light weight, excellent electrical performance, and convenient use. It is suitable for connecting radio frequency coaxial cables in the radio frequency loop of radio equipment and electronic instruments.

界面尺寸

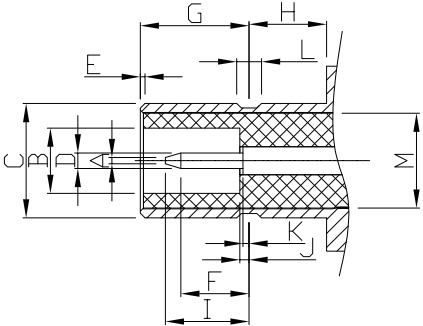
INTERFACE MATING DIMENSIONS

插头 Plug



Plug		
Code	Millimeters	
	Min	Max
A	-	2.06
B	-	1.63
C	0.18	-
D	0.18	0.94
E	2.97	-
F	3.58	-
G	3.58	-
H	3.05nom	

插座 Jack



Jack		
Code	Millimeters	
	Min	Max
A	-	0.25
B	2.08	-
C	3.66	3.71
D	0.48	0.53
E	0.00	-
F	1.32	-
G	3.33	3.58
H	1.65	-
I	-	2.97
J	-	0.18
K	-	0.18
L	0.69	0.94
M	3.05nom	

主要技术特性

MAJOR TECHNICAL CHARACTERISTICS

- 温度范围 Temp.range -65~+165℃ (PE Cable -40~+85℃)
- 特性阻抗 Impedance 50Ω, 75Ω
- 频率范围 Frequency Range DC~4GHz(50Ω); 0~2GHz(75Ω)
- 工作电压 Working Voltage 335V max (有效值)
- 耐 压 Withstand Voltage 1000V rms (海平面最小值)
- 接触电阻 Contact resistance
- 内导体之间 Center Contact ≤ 6 mΩ
- 外导体之间 Outer Contact ≤ 1 mΩ
- 绝缘电阻 Insulation resistance ≥ 1000 MΩ
- 电压驻波比 VSWR
- 直式 Straight ≤ 1.25
- 弯式 Right angle ≤ 1.45
- 耐用性 Durability(mating) ≥500次 (cycles)

材料与涂覆

MATERIAL & PLATING

- 壳体 shell 黄铜 brass 镀硬金 gold plated
- 插针 contact pin 黄铜 brass 镀硬金 gold plated
- 插孔 socket 铍青铜 beryllium 镀硬金 gold plated
- 弹性接触件 elastic contact 铍青铜 beryllium 镀硬金 gold plated
- 绝缘体 insulator 聚四氟乙烯 PTFE
- 压接套 crimping suite 铜合金 copper alloy 镀镍或金 nickel or gold plated
- o型密封件 o-ring sealing 硅橡胶 6146 silastic

适用技术标准

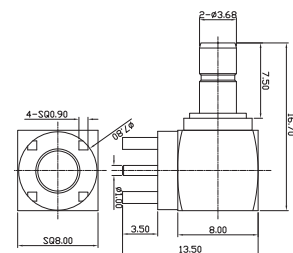
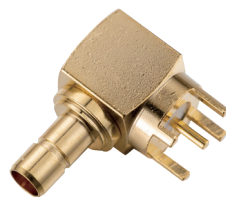
APPLICABLE STANDARD

MIL-C-39012; CECC 22130; IEC 61169-10.

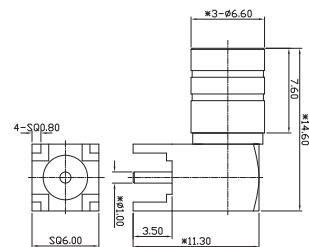
小型射頻同軸連接器 TYPE RF Connector

SMB90度板端 SMB 90° board port

Name: SMB JACK FOR PCB
Code: **HMT-SMB-PCB-001**

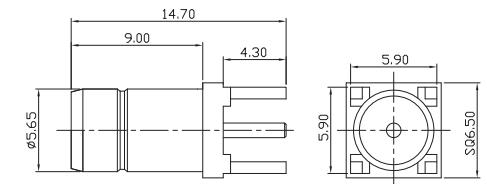


Name: SMB PLUG FOR PCB
Code: **HMT-SMB-PCB-002**

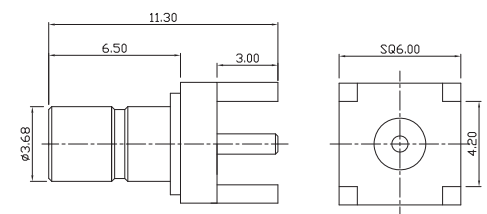


SMB180度板端 SMB 180° board port

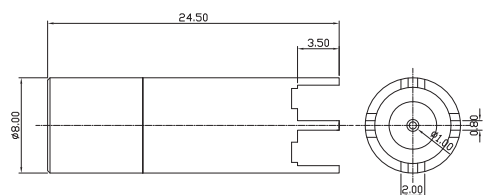
Name: BIG SMB JACK FOR PCB
Code: **HMT-SMB-PCB-003**



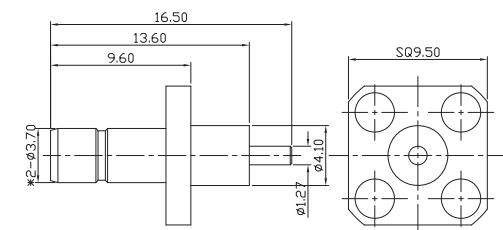
Name: SMB JACK FOR PCB
Code: **HMT-SMB-PCB-004**



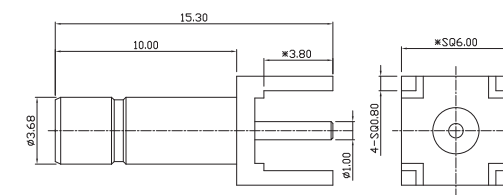
Name: BIG SMB PLUG FOR PCB
Code: **HMT-SMB-PCB-005**



Name: SMB JACK FOR PCB
Code: **HMT-SMB-PCB-006**



Name: SMB JACK FOR PCB
Code: **HMT-SMB-PCB-007**

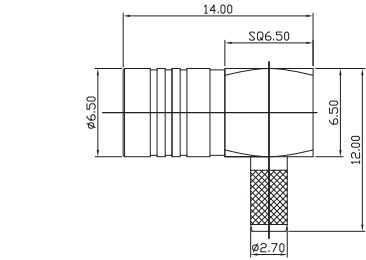


SMB接线SMB wiring

Name: SMB PLUG FOR CABLE

Code: **HMT-SMB-CAB-008**

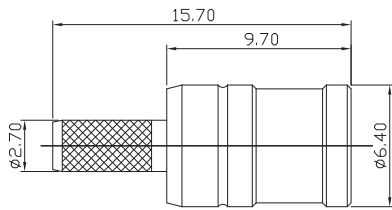




Name: SMB PLUG FOR CABLE

Code: **HMT-SMB-CAB-009**

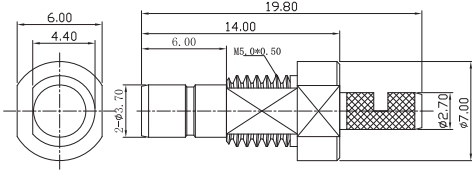




Name: SMB JACK FOR CABLE

Code: **HMT-SMB-CAB-010**

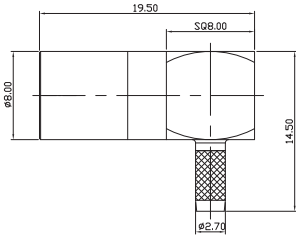




Name: BIG SMB PLUG FOR CABLE

Code: **HMT-SMB-CAB-011**

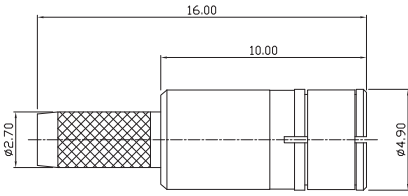




Name: SMB PLUG FOR CABLE

Code: **HMT-SMB-CAB-012**





Name: SMB PLUG FOR CABLE

Code: **HMT-SMB-CAB-013**



