



SMA 小型射頻同軸連接器
TYPE RF Connector

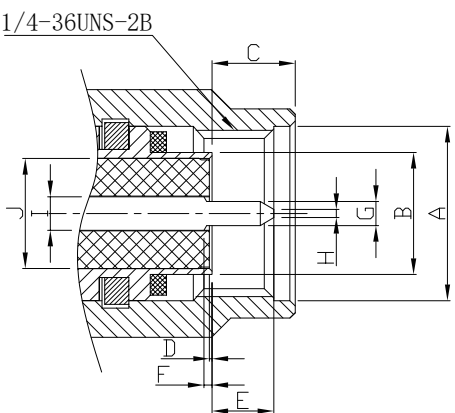
SMA系列产品是一种应用广泛的小型螺纹连接的同轴连接器,它具有频带宽、性能优、高可靠、寿命长的特点。适用于微波设备和数字通信系统的射频回路中连接射频电缆或微带线。

The SMA series product is a kind of coaxial connector with a wide range of small threaded connections. It has the characteristics of wide frequency bandwidth, excellent performance, high reliability and long life. It is suitable for connecting radio frequency cables or microstrip lines in radio frequency loops of microwave equipment and digital communication systems.

界面尺寸

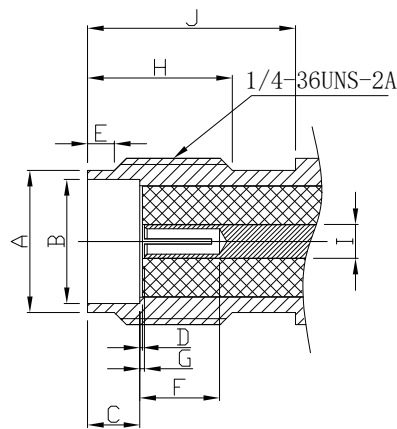
INTERFACE MATING DIMENSIONS

插头 Plug



Plug		
Code	Millimeters	
	Min	Max
A	6.35	-
B	4.53	4.59
C	2.56	3.43
D	0.00	0.18
E	1.91	2.56
F	0.00	0.25
G	0.90	0.94
H	0.00	0.38
J	1.25	1.30
K	4.10	4.13

插座 Jack



Jack		
Code	Millimeters	
	Min	Max
A	5.28	5.49
B	4.60	4.67
C	1.88	1.98
D	0.00	0.18
E	0.38	1.14
F	2.92	-
G	0.00	0.08
H	4.32	-
J	1.25	1.30
K	5.54	-

主要技术特性

MAJOR TECHNICAL CHARACTERISTICS

温度范围 Temp.range -65~+165°C (PE Cable -40~+85°C)

振 动 Vibration MIL-STD-202,Method 213

特性阻抗 Impedance 50Ω

频率范围 Frequency Range DC~12.4GHz(半刚电缆 0~18GHz)

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 $\leq 3 \text{ m}\Omega$

外导体之间 Outer Contact $\leq 2 \text{ m}\Omega$

绝缘电阻 Insulation resistance $\geq 5000 \text{ M}\Omega$

插入损耗 Insertion loss $\leq 0.15 \text{ dB/6GHz}$

电压驻波比 VSWR

直式 Straight 软电缆 $\leq 1.10 + 0.002f$ 半刚电缆 $\leq 1.05 + 0.001f$ 弯式 Right angle 软电缆 $\leq 1.20 + 0.003f$ 半刚电缆 $\leq 1.10 + 0.001f$

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 镀镍或镀金 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

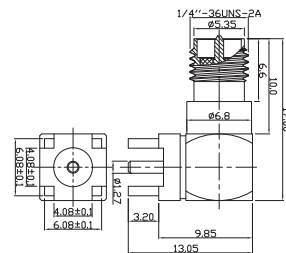
MIL-C-39012; CECC 22110; IEC 61169-15.



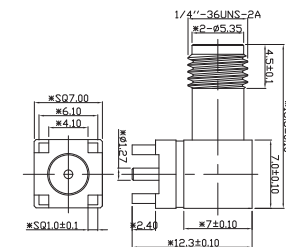
SMA90度板端 SMA 90° board port

Name: RP SMA JACK FOR PCB

Code: **HMT-SMA-PCB-001**

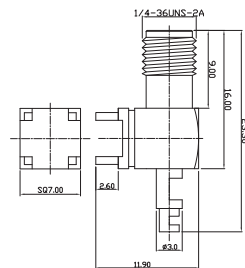


Name: SMA JACK FOR PCB

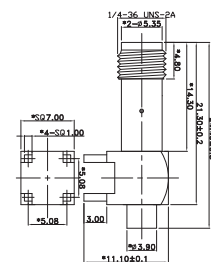
Code: **HMT-SMA-PCB-002**

SMA90度板端接线 SMA 90° board terminal wiring

Name: SMA JACK FOR CABLE

Code: **HMT-SMA-CAB-003**

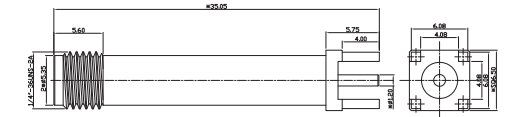
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Code: **HMT-SMA-CAB-004**

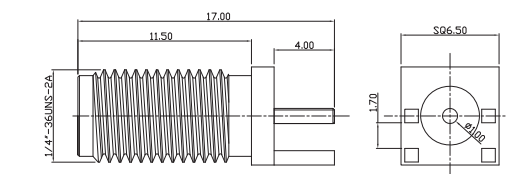
SMA180度板端 SMA 180° board port

Name: SMA JACK FOR PCB

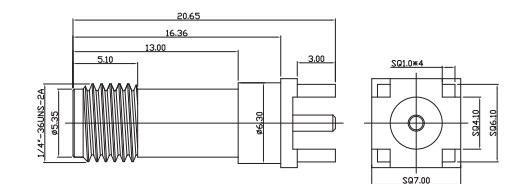
Code: :HMT-SMA-PCB-005



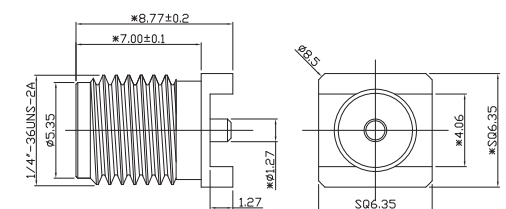
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Code: **HMT-SMA-PCB-006**

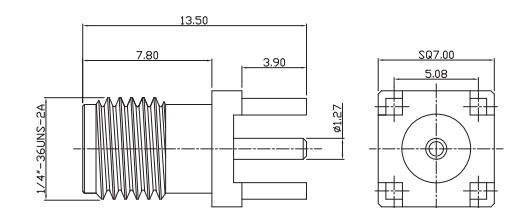
Name: SMA JACK FOR PCB

Code: **HMT-SMA-PCB-007**

Name: SMA JACK FOR PCB

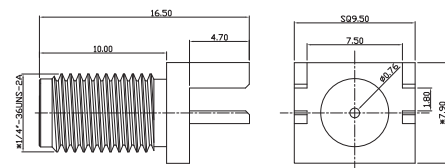
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Name: SMA JACK FOR PCB

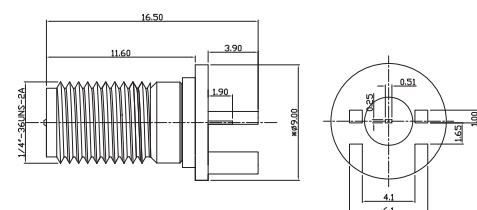
Code: **HMT-SMA-PCB-009**

SMA180度板端 SMA 180° board port

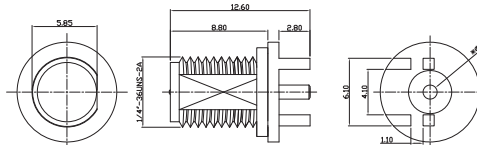
Name: SMA JACK FOR PCB
Code: **HMT-SMA-PCB-010**



Name: SMA JACK FOR PCB
Code: **HMT-SMA-PCB-011**

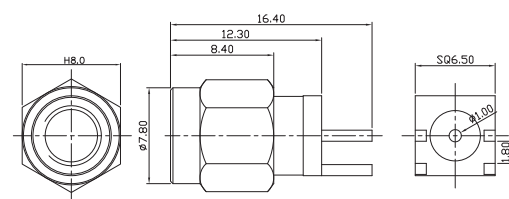
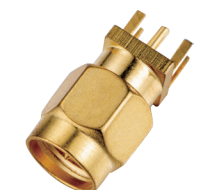


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Code: **HMT-SMA-PCB-012**



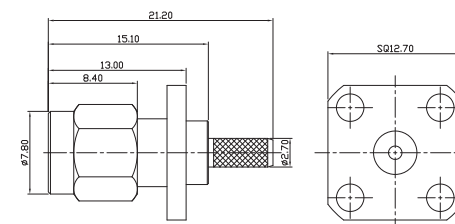
SMA公头板端 SMA male header board port

Name: SMA PLUG FOR PCB
Code: **HMT-SMA-PCB-013**

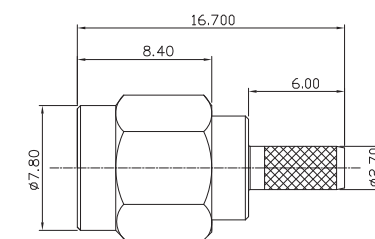


SMA直公头 SMA straight male

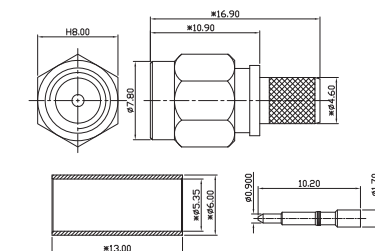
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Code: **HMT-SMA-CAB-014**



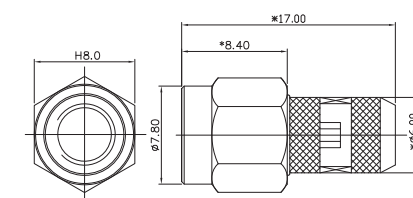
Name: SMA PLUG FOR CABLE
Code: **HMT-SMA-CAB-015**



Name: SMA PLUG FOR CABLE
Code: **HMT-SMA-CAB-016**



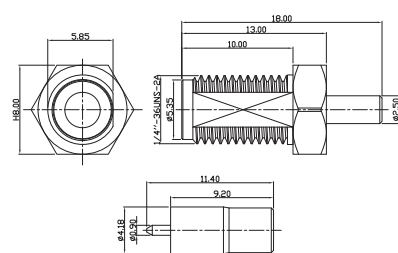
Name: SMA PLUG FOR CABLE
Code: **HMT-SMA-CAB-017**



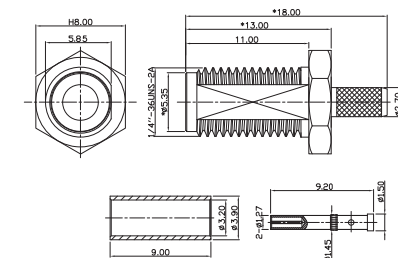


SMA直母头 SMA straight female

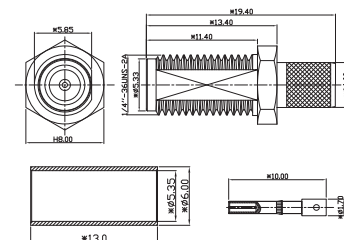
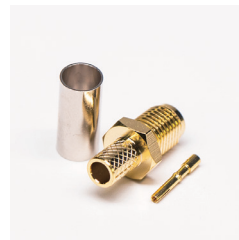
Name: RP SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-018**



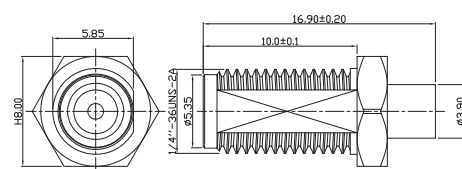
Name: SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-019**



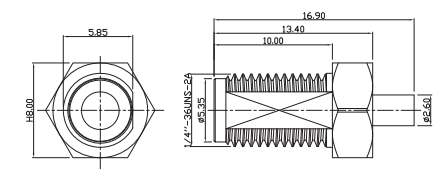
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Code: **HMT-SMA-CAB-020**



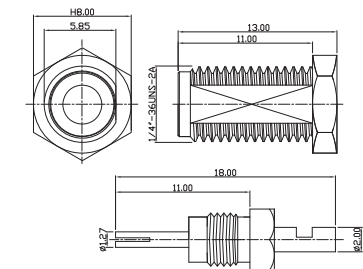
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Code: **HMT-SMA-CAB-021**



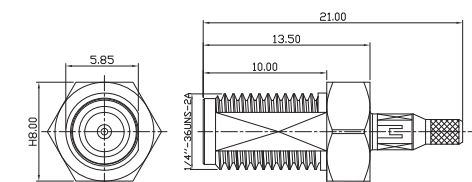
Name: SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-022**



Name: RP SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-023**

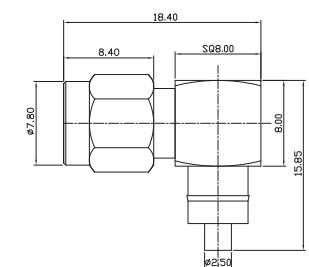


Name: RP SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-024**

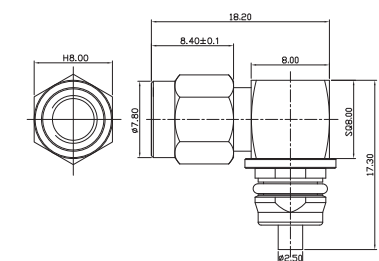


SMA弯公头 SMA male elbow

Name: SMA PLUG FOR ANTENNA
Code: **HMT-SMA-ANT-025**



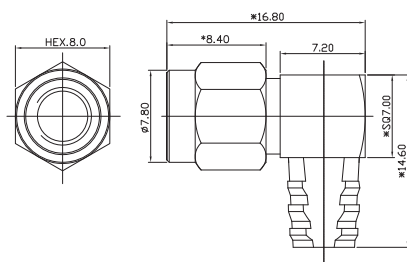
Name: RP SMA PLUG FOR ANTENNA
Code: **HMT-SMA-ANT-026**



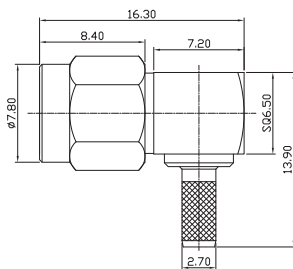
SMA 小型射頻同軸連接器 TYPE RF Connector

SMA弯公头 SMA male elbow

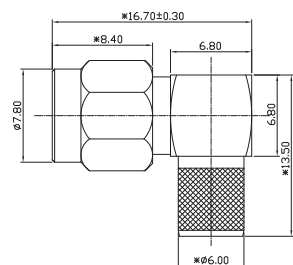
Name: SMA PLUG FOR ANTENNA
Code: **HMT-SMA-ANT-027**



Name: SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-028**

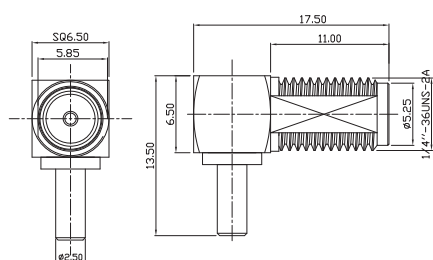
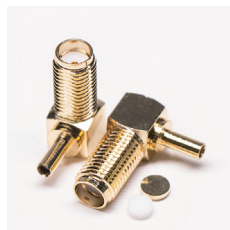


Name: SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-029**

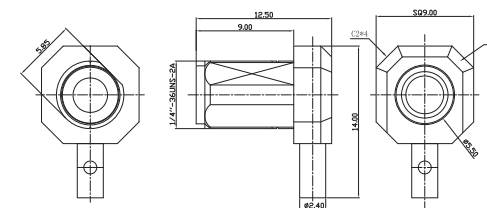


SMA弯母头 SMA female elbow

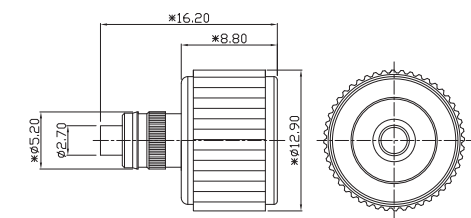
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Code: **HMT-SMA-CAB-030**



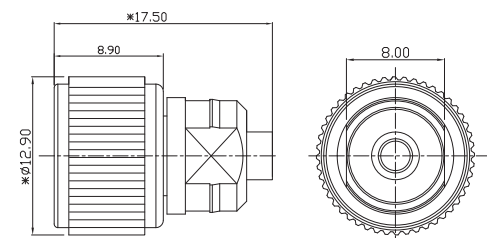
Name: SMA JACK FOR CABLE
Code: **HMT-SMA-CAB-031**



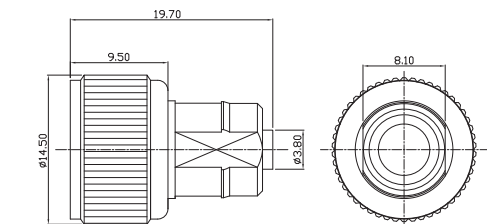
Name: SMA PLUG FOR ANTENNA
Code: **HMT-SMA-ANT-032**



Name: SMA PLUG FOR ANTENNA
Code: **HMT-SMA-ANT-033**

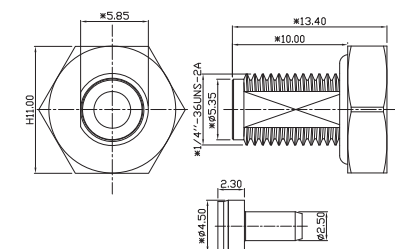


Name: SMA PLUG FOR ANTENNA
Code: **HMT-SMA-ANT-034**



SMA直防水母头 SMA straight waterproof female

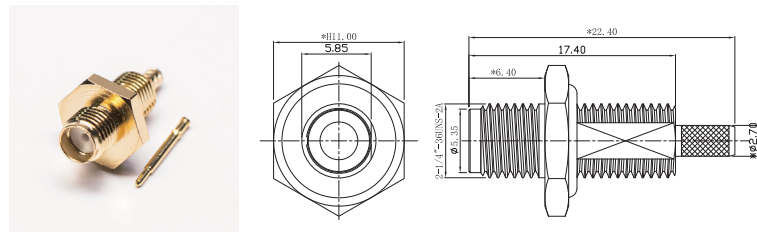
Name: RP SMA PLUG FOR ANTENNA
Code: **HMT-SMA-ANT-035**



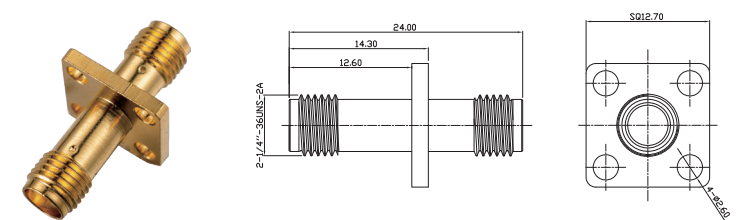
小型射頻同軸連接器 TYPE RF Connector

SMA直防水母头 SMA straight waterproof female

Name: RP SMA JACK FOR CABLE
 Code: **HMT-SMA-CAB-036**

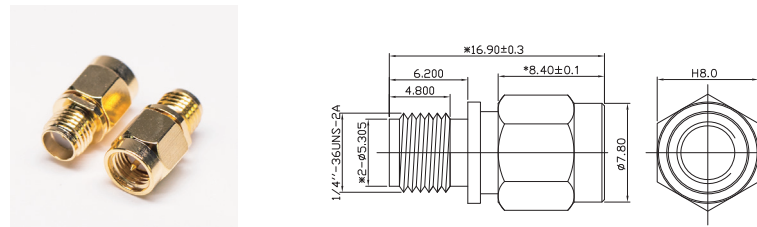


Name: SMA JACK TO SMA JACK
 Code: **HMT-SMA-SMA-040**

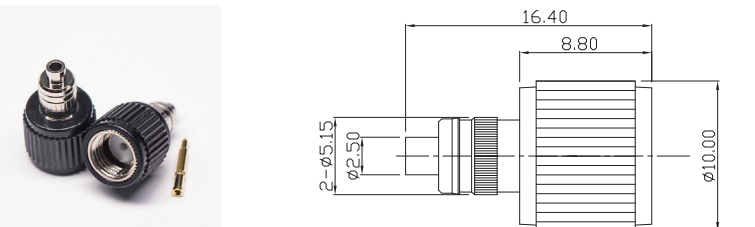


SMA测试转接头 SMA test adapter

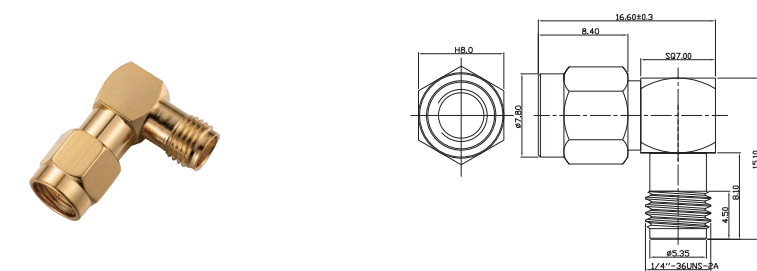
Name: SMA PLUG TO SMA JACK
 Code: **HMT-SMA-SMA-037**



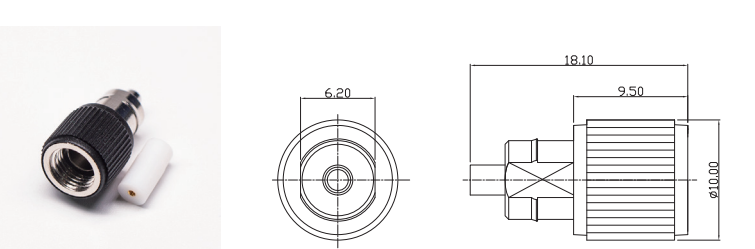
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 Code: **HMT-SMA-ANT-041**



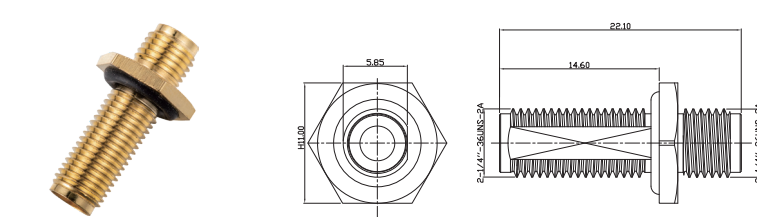
Name: SMA PLUG TO SMA JACK
 Code: **HMT-SMA-SMA-038**



Name: RP SMA PLUG FOR ANTENNA
 Code: **HMT-SMA-ANT-042**



Name: SMA JACK TO SMA JACK
 Code: **HMT-SMA-SMA-039**



Name: SMA PLUG FOR ANTENNA
 Code: **HMT-SMA-ANT-043**

