

SMA系列连接器

● 概述

SMA连接器采用螺纹连接，具有体积小、频带宽、连接可靠等优点，是应用最为广泛的射频连接器。上海图越SMA有标准型和精密型两种，精密型的工作频率可以达到27GHz。

● 主要性能

特性指标：50Ω

频率范围：DC-18GHz

DC-27GHz（精密型）

V S W R: $\leq 1.07 + 0.04\sqrt{f(\text{GHz})}$

绝缘电阻： $\geq 5000\text{M}\Omega$

介质耐压：1000V

连接器耐久性：500次

● 材料及涂覆

壳体：不锈钢SU303 或黄铜镀金

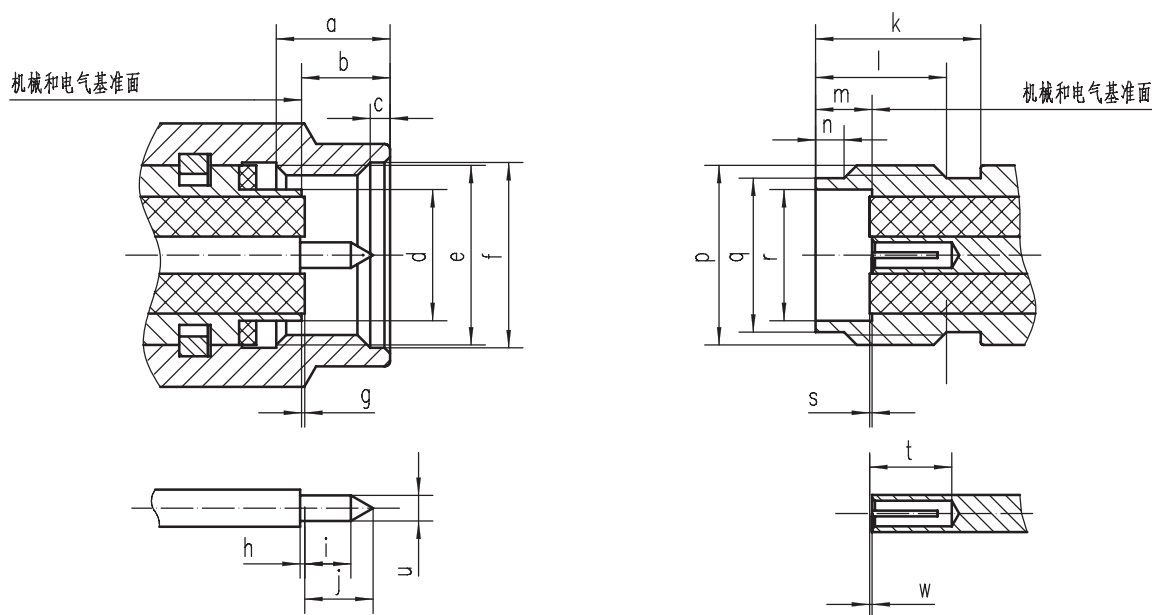
内导体：

插针—锡青铜，镀金；

插孔—铍青铜，镀金。

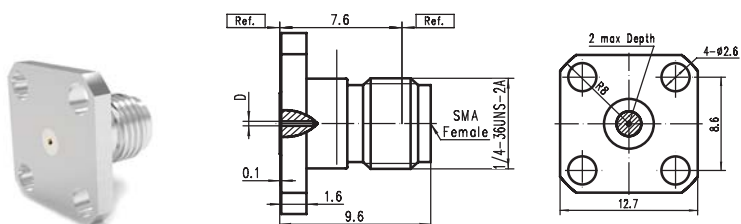
绝缘体：PTFE

● 界面尺寸

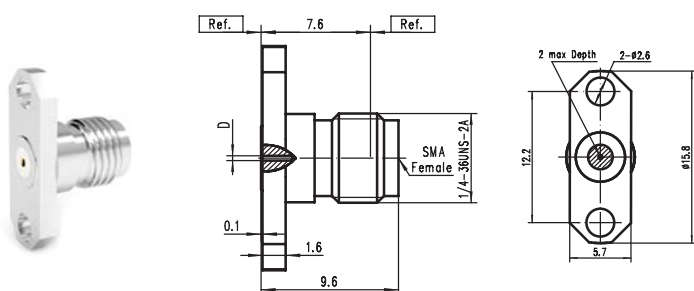


symbol	MIN (mm)	MAX (mm)	Symbol	Min (mm)	MAX (mm)	Symbol	Min (mm)	MAX (mm)
a	3.30	-	h	0	0.25	p	1/4-36UNS-2A	
b	-	3.43	i	1.27	-	q	φ5.28	φ5.49
c	0.38	1.14	j	-	2.54	r	φ4.597	φ4.670
d	-	φ4.592	k	5.54	-	s	-	0.05
e	1/4-36UNS-2B		l	4.32	-	t	2.92	-
f	φ6.35	-	m	1.88	1.98	u	φ0.9	φ0.94
g	-	0.05	n	0.38	1.14	w	0	0.76

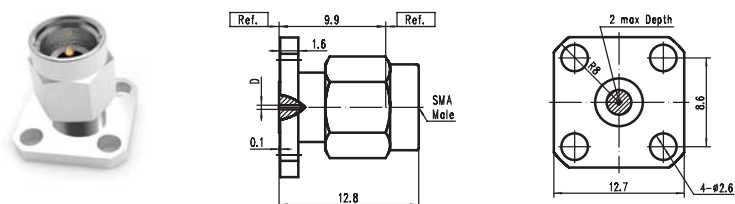
SMA可拆卸式法兰连接器



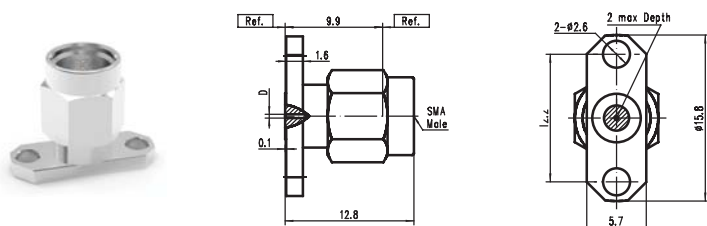
CODE	TYPE	Freq	D
130610	SMA-KFD516G	DC-27GHz	0.38mm
130611	SMA-KFD517G	DC-27GHz	0.51mm



CODE	TYPE	Freq	D
130612	SMA-KFD516AG	DC-27GHz	0.38mm
130613	SMA-KFD517AG	DC-27GHz	0.51mm

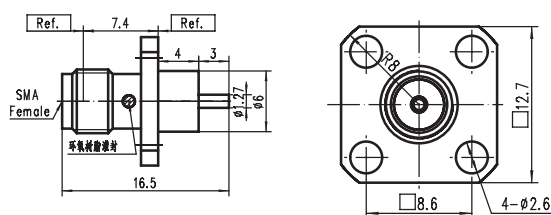


CODE	TYPE	Freq	D
130614	SMA-JFD516G	DC-27GHz	0.38mm
130615	SMA-JFD517G	DC-27GHz	0.51mm



CODE	TYPE	Freq	D
130616	SMA-JFD516AG	DC-27GHz	0.38mm
130617	SMA-JFD517AG	DC-27GHz	0.51mm

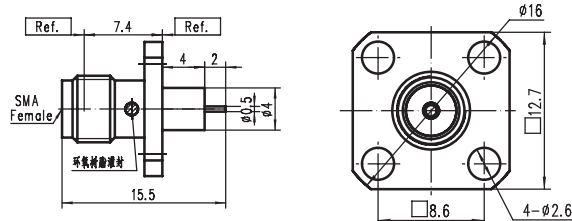
SMA系列圆形内导体连接器



CODE: 130605

TYPE: SMA - KFD524G

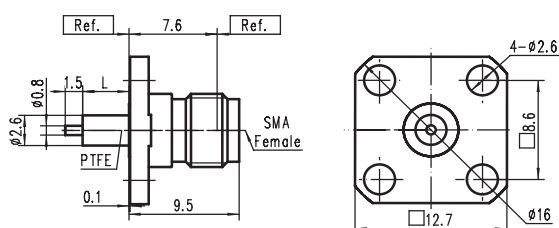
Freq: DC - 18GHz



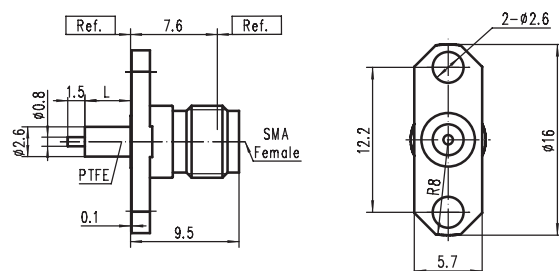
CODE: 130607

TYPE: SMA - KFD529G

Freq: DC - 18GHz

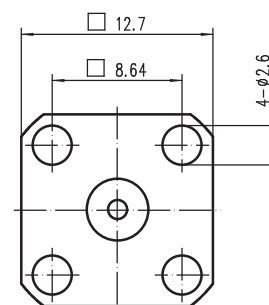
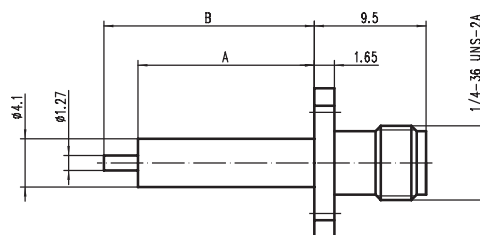


CODE	TYPE	Freq	L
130511	SMA-KFD501G	DC-18GHz	3mm
130513	SMA-KFD505G	DC-18GHz	4mm
130604	SMA-KFD505-3G	DC-18GHz	4mm



CODE	TYPE	Freq	L
130501	SMA-KFD501AG	DC-18GHz	3mm
130512	SMA-KFD505AG	DC-18GHz	4mm
130603	SMA-KFD505A-3G	DC-18GHz	4mm

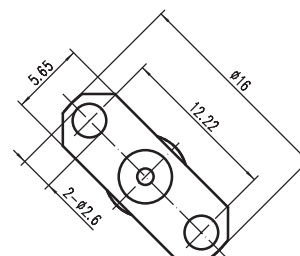
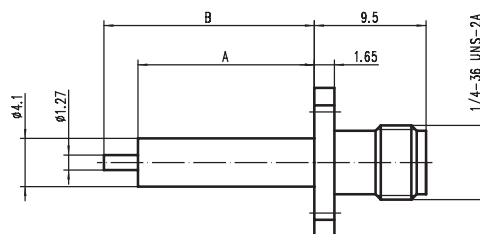
SMA系列圆形内导体连接器



型号	代码	主体材料及涂覆	A* (mm)	B* (mm)	固定方式
SMA-KFD507	130 526	brass,gold (SS**, passivated)	12.7	15.9	灌封
SMA-KFD507-1	130 527	brass,gold (SS**, passivated)	12.7	15.9	压铆
SMA-KFD507-2	130 528	brass,gold (SS**, passivated)	12.7	15.9	
SMA-KFD508	130 529	brass,gold (SS**, passivated)	15	15.9	灌封
SMA-KFD508-1	130 530	brass,gold (SS**, passivated)	15	15.9	压铆
SMA-KFD508-2	130 531	brass,gold (SS**, passivated)	15	15.9	

* A和B尺寸可以定制

**后缀加G表示不锈钢材料

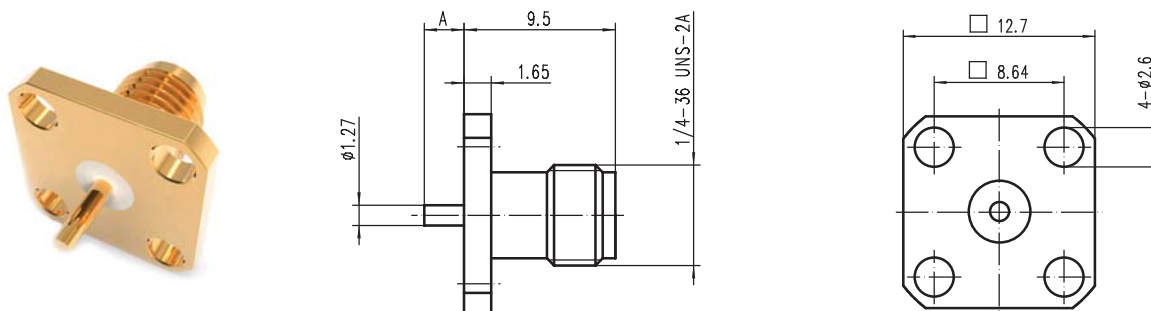


型号	代码	主体材料及涂覆	A* (mm)	B* (mm)	固定方式
SMA-KFD507A	130 532	brass,gold(SS**, passivated)	12.7	15.9	灌封
SMA-KFD507A-1	130 533	brass,gold(SS**, passivated)	12.7	15.9	压铆
SMA-KFD507A-2	130 534	brass,gold(SS**, passivated)	12.7	15.9	
SMA-KFD508A	130 535	brass,gold(SS**, passivated)	15	17.9	灌封
SMA-KFD508A-1	130 536	brass,gold(SS**, passivated)	15	17.9	压铆
SMA-KFD508A-2	130 537	brass,gold(SS**, passivated)	15	17.9	

* A和B尺寸可以定制

**后缀加G表示不锈钢材料

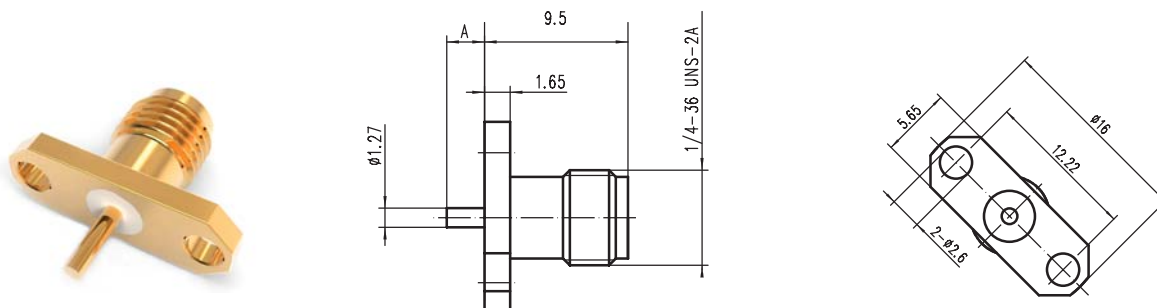
SMA系列圆形内导体连接器



型号	代码	主体材料及涂覆	A*(mm)	固定方式
SMA-KFD509	130 538	brass,gold (SS**, passivated)	2.2	灌封
SMA-KFD509-1	130 539	brass,gold (SS**, passivated)	2.2	压铆
SMA-KFD509-2	130 540	brass,gold (SS**, passivated)	2.2	
SMA-KFD510	130 541	brass,gold (SS**, passivated)	5	灌封
SMA-KFD510-1	130 542	brass,gold (SS**, passivated)	5	压铆
SMA-KFD510-2	130 543	brass,gold (SS**, passivated)	5	

* A尺寸可以定制

**后缀加G表示不锈钢材料

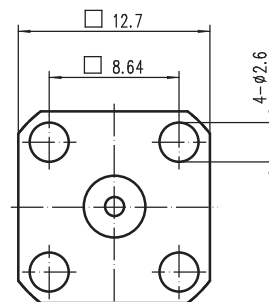
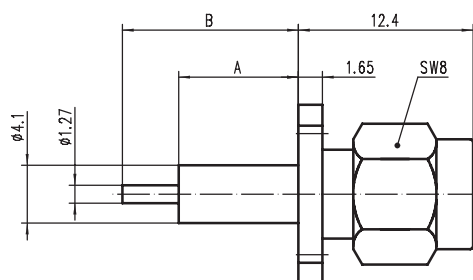


型号	代码	主体材料及涂覆	A*(mm)	固定方式
SMA-KFD509A	130 544	brass,gold(SS**, passivated)	2.2	灌封
SMA-KFD509A-1	130 545	brass,gold(SS**, passivated)	2.2	压铆
SMA-KFD509A-2	130 546	brass,gold(SS**, passivated)	2.2	
SMA-KFD510A	130 547	brass,gold(SS**, passivated)	5	灌封
SMA-KFD510A-1	130 548	brass,gold(SS**, passivated)	5	压铆
SMA-KFD510A-2	130 549	brass,gold(SS**, passivated)	5	

* A尺寸可以定制

**后缀加G表示不锈钢材料

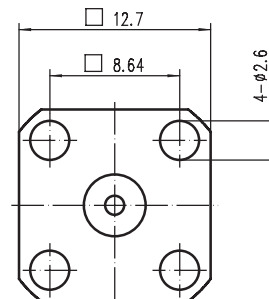
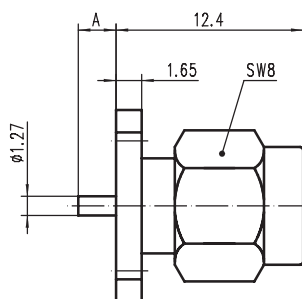
SMA系列圆形内导体连接器



型号	代码	主体材料及涂覆	A* (mm)	B* (mm)	固定方式
SMA-JFD503	130 550	brass,gold (SS**, passivated)	4	6.5	灌封
SMA-JFD503-1	130 551	brass,gold (SS**, passivated)	4	6.5	压铆
SMA-JFD503-2	130 552	brass,gold (SS**, passivated)	4	6.5	
SMA-JFD504	130 553	brass,gold (SS**, passivated)	8.5	12.5	灌封
SMA-JFD504-1	130 554	brass,gold (SS**, passivated)	8.5	12.5	压铆
SMA-JFD504-2	130 555	brass,gold (SS**, passivated)	8.5	12.5	

* A和B尺寸可以定制

**后缀加G表示不锈钢材料

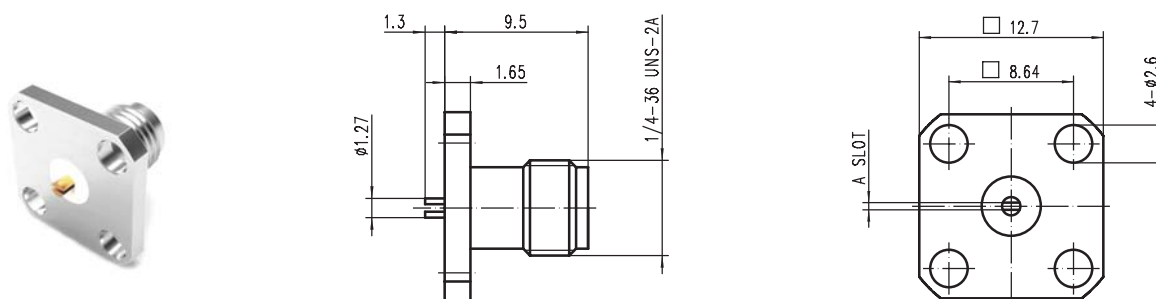


型号	代码	主体材料及涂覆	A* (mm)	固定方式
SMA-JFD3	130 101	brass,gold (SS**, passivated)	2.2	灌 封
SMA-JFD3-1	130 102	brass,gold (SS**, passivated)	2,2	压 铆
SMA-JFD3-2	130 103	brass,gold (SS**, passivated)	2,2	
SMA-JFD4	130 104	brass,gold (SS**, passivated)	5	灌 封
SMA-JFD4-1	130 105	brass,gold (SS**, passivated)	5	压 铆
SMA-JFD4-2	130 106	brass,gold (SS**, passivated)	5	

* A尺寸可以定制

**后缀加G表示不锈钢材料

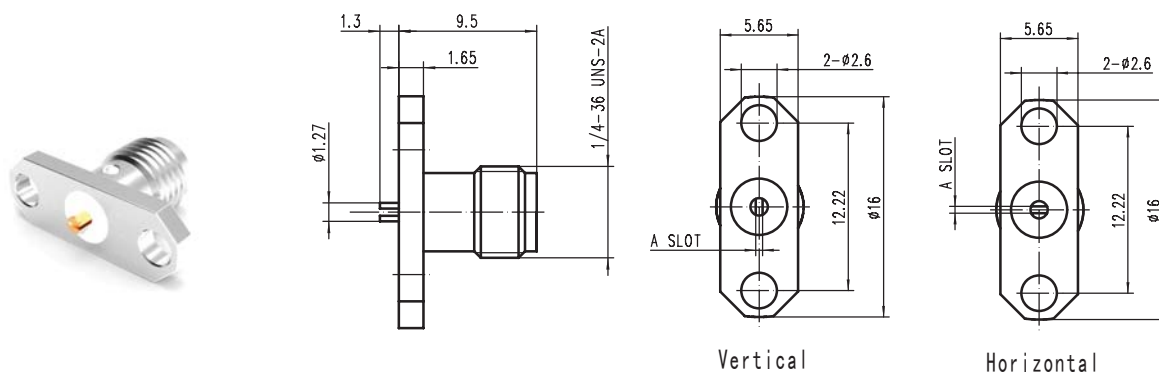
SMA系列开槽式连接器



型号	代码	主体材料及涂覆	A* (mm)	固定方式
SMA-KFD502	130 556	brass,gold (SS**, passivated)	0.3	灌封
SMA-KFD502-1	130 557	brass,gold (SS**, passivated)	0.3	压铆
SMA-KFD502-2	130 558	brass,gold (SS**, passivated)	0.3	
SMA-KFD511	130 559	brass,gold (SS**, passivated)	0.51	灌封
SMA-KFD511-1	130 560	brass,gold (SS**, passivated)	0.51	压铆
SMA-KFD511-2	130 561	brass,gold (SS**, passivated)	0.51	

* A尺寸可以定制

**后缀加G表示不锈钢材料

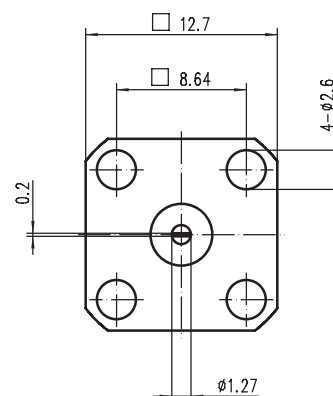
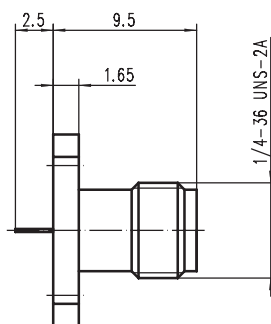


型号	代码	主体材料及涂覆	A* (mm)	方向	固定方式
SMA-KFD502A	130 562	brass,gold(SS**, passivated)	0.51	垂直	灌封
SMA-KFD502A-1	130 563	brass,gold(SS**, passivated)	0.51	垂直	压铆
SMA-KFD502A-2	130 564	brass,gold(SS**, passivated)	0.51	N/A	
SMA-KFD511A	130 565	brass,gold(SS**, passivated)	0.51	水平	灌封
SMA-KFD511A-1	130 566	brass,gold(SS**, passivated)	0.51	水平	压铆
SMA-KFD511A-2	130 567	brass,gold(SS**, passivated)	0.51	N/A	

* A尺寸可以定制

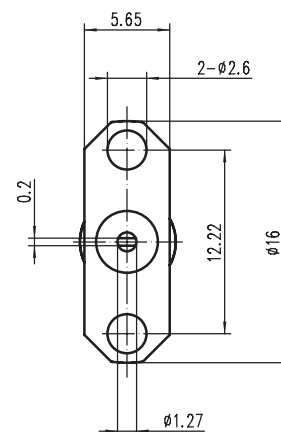
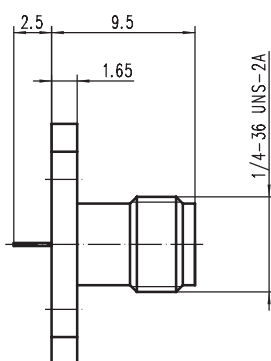
**后缀加G表示不锈钢材料

SMA系列微带线连接器



型号	代码	主体材料及涂覆	固定方式
SMA-KFD504	130 568	brass, gold (SS, passivated)	灌封
SMA-KFD504-1	130 569	brass, gold (SS, passivated)	压铆
SMA-KFD504-2	130 570	brass, gold (SS, passivated)	

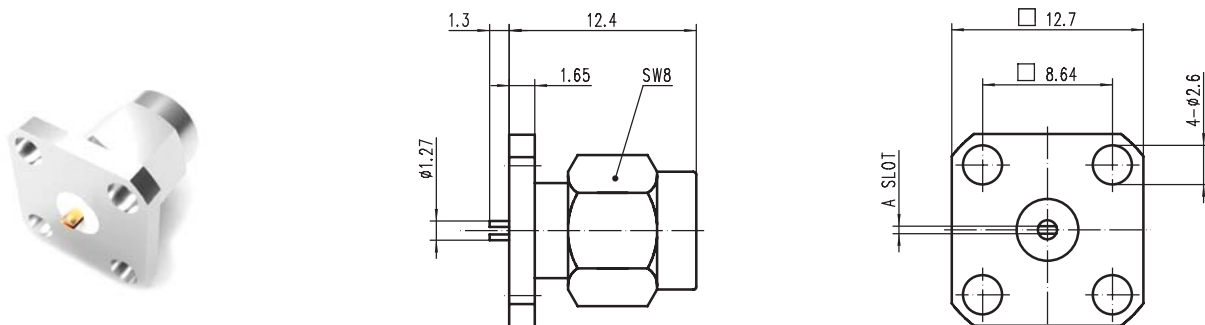
* 后缀加G表示不锈钢材料



型号	代码	主体材料及涂覆	固定方式
SMA-KFD504A	130 571	brass, gold (SS, passivated)	灌封
SMA-KFD504A-1	130 572	brass, gold (SS, passivated)	压铆
SMA-KFD504A-2	130 573	brass, gold (SS, passivated)	

* 后缀加G表示不锈钢材料

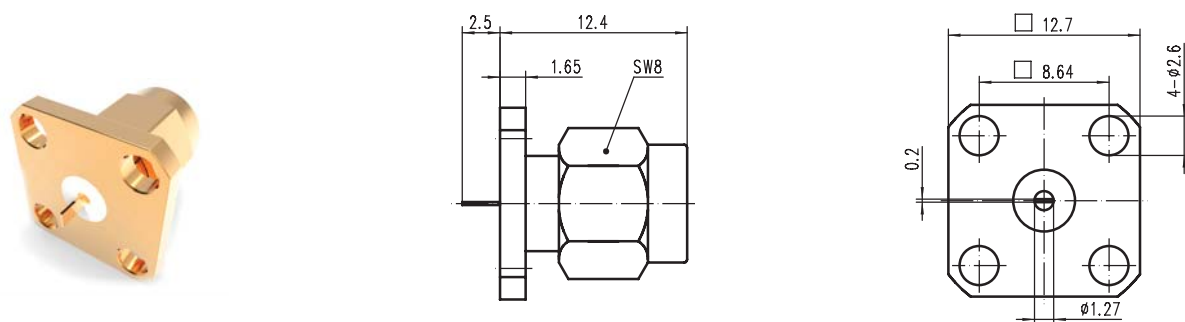
SMA系列开槽式和微带线连接器



型号	代码	主体材料及涂覆	A* (mm)	固定方式
SMA-JFD501	130 574	brass,gold (SS**, passivated)	0.32	灌封
SMA-JFD501-1	130 575	brass,gold (SS**, passivated)	0.32	压铆
SMA-JFD501-2	130 576	brass,gold (SS**, passivated)	0.32	
SMA-JFD505	130 577	brass,gold (SS**, passivated)	0.20	灌封
SMA-JFD505-1	130 578	brass,gold (SS**, passivated)	0.20	压铆
SMA-JFD505-2	130 579	brass,gold (SS**, passivated)	0.20	

* A尺寸可以定制

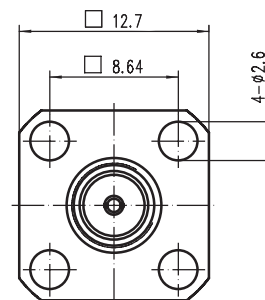
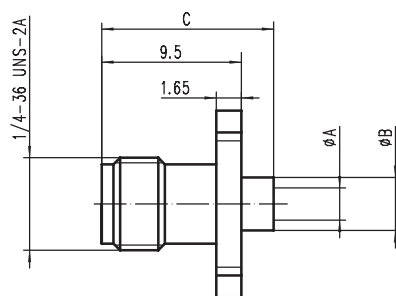
**后缀加G表示不锈钢材料



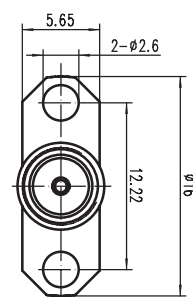
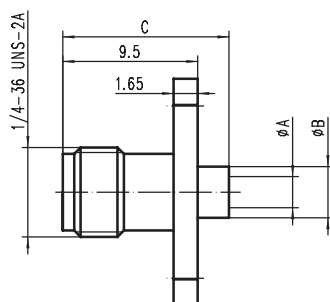
型号	代码	主体材料及涂覆	固定方式
SMA-JFD506	130 580	brass,gold (SS**, passivated)	灌封
SMA-JFD506-1	130 581	brass,gold (SS**, passivated)	压铆
SMA-JFD506-2	130 582	brass,gold (SS**, passivated)	

**后缀加G表示不锈钢材料

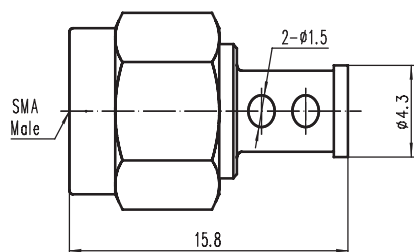
SMA Panel Semi-rigid/semi-flexible connectors



TYPE	Code	BODY MATERIALS&FINISH	A	B	C	Match Cable
SMA-KFB2	130 307	brass, gold	2.25	3.6	11.7	086
SMA-KFB3	130 308	brass, gold	3.65	5.1	12.0	141



TYPE	Code	BODY MATERIALS&FINISH	A	B	C	Match Cable
SMA-KFB2A	130 309	brass, gold	2.25	3.6	11.7	086
SMA-KFB3A	130 310	brass, gold	3.65	5.1	12.0	141

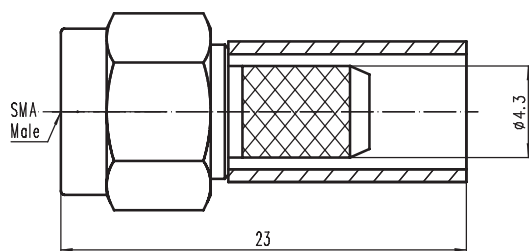


CODE: 130311

TYPE: SMA - J3D

Freq: DC - 6GHz

配接电缆: RG316D

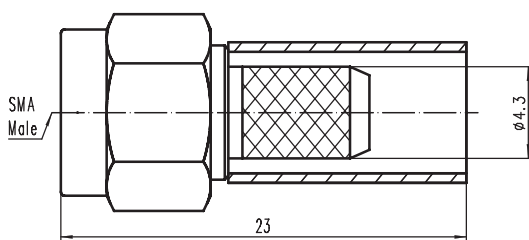


CODE: 130312

TYPE: SMA - J5

Freq: DC - 6GHz

配接电缆: RG141

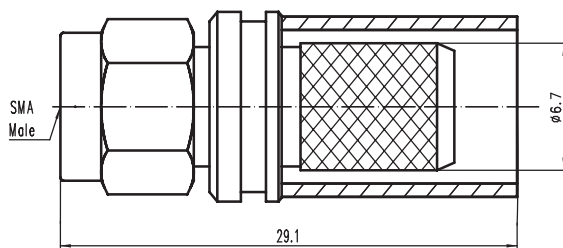


CODE: 130313

TYPE: SMA - J5D

Freq: DC - 6GHz

配接电缆: RG142, RG223



CODE: 130314

TYPE: SMA - JL300

Freq: DC - 3GHz

配接电缆: LMR300