



The SSMA series are screw coupling subminiature coaxial connectors which are produced as smaller version of SMA connectors according to the specifications of IEC169-18 and CECC 22140. They have the characteristics of light weight, small size, rugged construction, wide frequency range and high reliability, are widely used in RF and microwave technology.

TECHNICAL CHARACTERISTICS

Environmental

Temperature range	-55~+155°C
-------------------	------------

Electrical Characteristics

Characteristic impedance	50Ω
Frequency range	0-35GHz
Working voltage	250V
Contact resistance	Center contact: ≤4mΩ, Outer Contact: ≤2.5mΩ
Insulation resistance	≥1000MΩ
Dielectric withstanding voltage	750V
VSWR	≤1.07+0.1F(GHz)

Material and Plating

Body	Brass, gold/nickel plated
Male center contacts	Brass, gold plated
Female center contacts	Beryllium copper, gold plated
Insulators	PTFE
Crimp ferrules	Copper alloy, gold or nickel plated

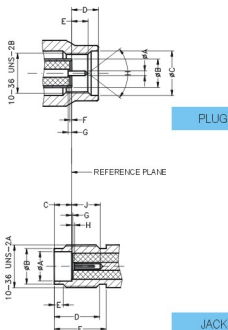
Mechanical Characteristics

Durability	500 cycles
------------	------------

INTERFACE MATING DIMENSIONS

Letter	PLUG (mm)	
	Minimum	Maximum
A	0.49	0.53
B	3.15	3.22
C	4.98	5.13
D	2.54	3.38
E	1.27	1.65
F	0.00	0.25
G	0.00	0.25
H	70°	95°

Letter	JACK (mm)	
	Minimum	Maximum
A	3.23	3.30
B	3.89	4.06
C	1.91	1.96
D	4.83	5.33
E	0.51	1.02
F	5.84	-
G	0.00	0.25
H	0.00	0.25
J	1.91	-



1. SEMI-RIGID, SEMI-FLEXIBLE CABLE CONNECTORS

Straight Cable Plug, MD7



Part Number	GB Type	Cable Group	Remarks
-------------	---------	-------------	---------

SSMA1111003	SSMA-JB1	047	A=12.2, B=1.3
SSMA1111001	SSMA-JB2	085	A=12.0, B=2.2

Right Angle Cable Plug, MD9



SSMA2111001	SSMA-JWB2	085	A=8.8, B=2.2
SSMA2111002	SSMA-JWB3	141	A=9.1, B=3.6

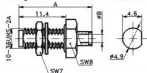
1. SEMI-RIGID, SEMI-FLEXIBLE CABLE CONNECTORS

Straight Cable Jack, M08



Part Number	GB Type	Cable Group	Remarks
SSMA1211002	SSMA-KB1	042	A=12.6, B=1.3
SSMA1211001	SSMA-KB2	085	A=13.3, B=2.2

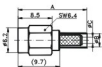
Straight Bulkhead Cable Jack, M08



SSMA1231001	SSMA-KYB1	042	A=17.5, B=1.3
SSMA1231002	SSMA-KYB2	085	A=17.7, B=2.2

2. FLEXIBLE CABLE CONNECTORS

Straight Cable Plug, M01



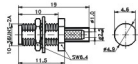
SSMA1112002	SSMA-J2	2/50S	A=18.7, B=2.5, C=1.0
SSMA1112003	SSMA-(E)J2.5	2.6/50S	A=19.2, B=2.8, C=1.6
SSMA1112001	SSMA-J3	3/50S	A=18.7, B=3.1, C=1.6

Right Angle Cable Plug, M04



SSMA2112002	SSMA-JW2	2/50S	A=12.6, B=2.5, C=1.0
SSMA2112003	SSMA-(E)JW2.5	2.6/50S	A=14.6, B=2.8, C=1.6
SSMA2112001	SSMA-JW3	3/50S	A=14.1, B=3.1, C=1.6
SSMA2112001	SSMA-JW2.5D	2.6/50D	A=14.6, B=3.4, C=1.6

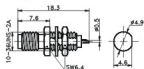
Straight Bulkhead Cable Jack, M02



SSMA1232001	SSMA-KY2		
-------------	----------	--	--

3. BULKHEAD MOUNT RECEPTACLES

Straight Bulkhead Jack Receptacle, Front Mount



Part Number	GB Type	Remarks
SSMA1234001	SSMA-KYD	