

COAXICOM SSMA CONNECTORS are available for both semi-rigid and flexible coaxial cable, and are usable to beyond 26 GHz. The series was initially designed for .085 semi-rigid, and the male contact is the same diameter as the center conductor of the cable. This allows the use of the cable center conductor as the mating pin for optimized VSWR where required.

COAXICOM SSMA connectors are also available as panel mount, bulk-head mount, in stripline and microstrip interfaces, printed circuit board mounting, and as hermetically sealed connectors. This broad selection, plus the availability of within and between series adapters provide complete design flexibility to the user.

### MILITARY SPECIFICATIONS

MIL-PRF-39012, MIL-A-55339, MIL-C-83517 and MIL-STD-348 as applicable.

### MATERIAL

Bodies, Coupling nut (except as noted)	Non magnetic stainless steel per ASTM-A-582, type 303
Center Contacts	Beryllium Copper per ASTM-B-196, heat treated per MIL-H-7199. Gold plated per MIL-PRF-39012, IAW MIL-G-45204
Plating	Gold plated or passivated to meet the corrosion requirements of MIL PRF-39012
Insulators	TFE Fluorocarbon per ASTM-D-1457
Weatherproof Gaskets	Silicone Rubber per ZZ-R-765 class 2B, grade 65-75
Mounting Hardware	Stainless Steel
Crimp Ferrules	Brass

### ELECTRICAL\*

Nominal Impedance	50 Ω
Frequency Range	D.C. to 26.0 Ghz
Voltage Rating	500V VRMS
Dielectric With-standing Voltage	750V VRMS
VSWR	1.05 + .005 x fGHz max
Contact Resistance	Outer Contact: 2.0 milliohms maximum Center Contact: 4.0 milliohms Maximum
Insulation Resistance	5000 megaohms min.
RF Leakage	[Minimum dB down] 100 dB - fGHz
Insertion Loss (max.)	Straight: .04dB x √ fGHz Right Angle: .06dB x √ fGHz
Temp. Rating	-65°C to +165°C

\* These characteristics are typical and may not apply to all connectors.

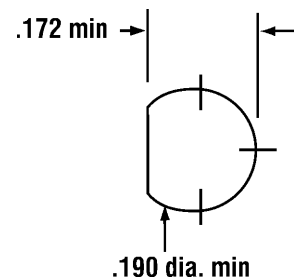
### MECHANICAL

Engage/Disengage	2.0 lbs. max
Female Contact Axial Forces	Insertion: 40.0 oz max Withdrawal: 1.0 oz min.
Connector Durability	500 cycles min.
Contact Retention	6 lbs. axial

### ENVIRONMENTAL

Temperature Cycling	MIL-STD-202 Method 107, Cond. B
Shock	MIL-STD-202 Method 213, Cond. I
Vibration	MIL-STD-202 Method 204, Cond. D
Moisture Resistance	MIL-STD-202 Method 106, [Less Step 7b]
Corrosion [Salt Spray]	MIL-STD-202 Method 101, Cond. B
Barometric Pressure	MIL-STD-202 Method 105, Cond. C @ 70,000 ft

### BULKHEAD MOUNTING SPECIFICATIONS



### SSMA INTERFACE DIMENSIONS

