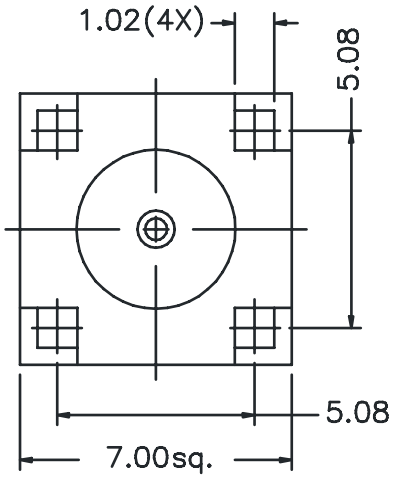

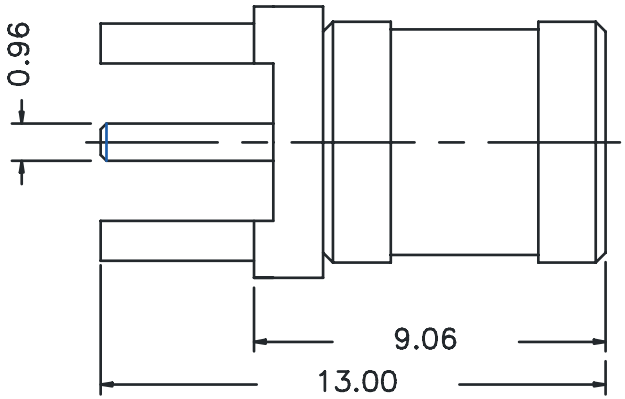

Electrical Specifications
Impedance: 50 Ω
Frequency Range: 0-4 GHz with low reflection; usable to 10.0 GHz
Voltage Rating for RG-188/U Cable:
335 volts at sea level and 85 volts at 70,000 feet
Dielectric Withstanding Voltage: RG-196: 750 VRMS;
RG-188: 1,000 VRMS
VSWR: Straight connector, RG-196/U: 1.30±0 .04 f (GHz)
Right angle connector, RG-196/U: 1.45±0 .06 f (GHz)
Straight connector, RG-188/U: 1.25±0 .04 f (GHz)
Right angle connector, RG-188/U: 1.35±0 .04 f (GHz)
Contact Resistance:
Center contact: 6.0 mΩ initial, 8.0 after environmental;
Outer contact: 1.0 mΩ initial, 1.5 after environmental
Braid to body: 1.0 mΩ initial, after environmental N/A
Insulation Resistance: 1,000 MΩ Min.
Insertion Loss: Straight connector: 0.30 dB @ 1.5 GHz
Right angle connector: 0.60 dB @ 1.5 GHz
RF Leakage: -55 dB Min. @ 2-3 GHz

Mechanical
Mating:Snap-on coupling per MIL-STD-348
Braid/Jacket Cable Affixment:Hex crimp
Center Conductor Cable Affixment:Solder
Engagement Forces: Engagement: 14 lbs maximum
Disengagement: 2 lbs minimum
Durability: 500 cycles Min.
Temperature Range:- 65°C to +165°C

Material
Center Contact:
Female: beryllium copper, gold-plated
Male: brass or beryllium copper, gold-plated
Outer Contact Plating: Nickel or gold plating
Body:Brass or zinc
Body Plating: Nickel or gold plating
Insulator: TFE
Crimp Ferrule:Annealed copper alloy

General description of ordering code

FAMILY	MODEL		TYPE	VERSION	OPTION
SMB	70	-	P	D	0002

euro-conn

RoHS Compliant Lead Free

UNITS: mm	SHEET SIZE: ISO A4	SCALE: ----	
> 0 ~ 3	> 3 ~ 18	> 18 ~ 50	> 50 ~ 120
± 0.12	± 0.15	± 0.3	± 0.5

I prodotti e le caratteristiche possono cambiare senza preavviso.
The products and their features may change without notice.

RF COAXIAL