

RF Coaxial Connectors

SMB Plugs, Jacks and Adaptors



Features:

- Reliable electrical performance to 4.0GHz.
- Quick connect and disconnect snap on coupling.

Electrical

Impedance	50Ω
Frequency Range	0 to 4.0GHz
VSWR	178U → 1.3 +0.04f maximum GHz (Straight) 1.45 +0.06f maximum GHz (Right Angle) 316U → 1.25 +0.04f maximum GHz (Straight) 1.35 +0.04f maximum GHz (Right Angle)
Working Voltage	250 volts rms maximum, at sea level
Dielectric withstanding Voltage	750 volts rms maximum, at sea level
Contact Resistance	Centre contact = 6.0mΩ maximum Outer contact = 1.0mΩ maximum
Insertion Loss	0.3dB maximum at 1.5GHz (Straight) 0.6dB maximum at 1.5GHz (Right Angle)
Insulation Resistance	1000MΩ minimum

Mechanical and Environmental

Mating	Snap-on coupling
Durability	500 matings
Cable Retention	RG-174 → 20lbs minimum
Temperature Range	-65°C to +165°C
Vibration	MIL-STD-202 Method 204 Test Condition D
Salt Spray	MIL-STD-202 Method 101 Test Condition B
Thermal Shock	MIL-STD-202 Method 107 Test Condition B



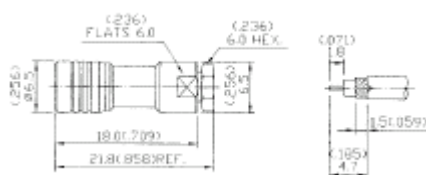
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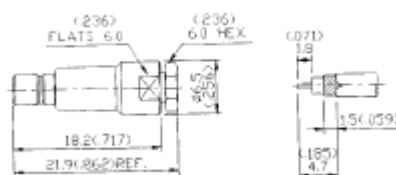
Material

	Material	Plating
Connector Body	Brass	Nickel or gold
Centre Contact	Male : Brass Female : Beryllium Copper	30μ" gold over 100μ" nickel 30μ"gold over 100μ" nickel
Insulation	PTFE	None
Crimp Ferrule	Annealed Copper	Same as Body

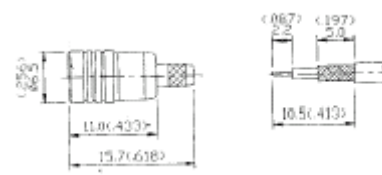
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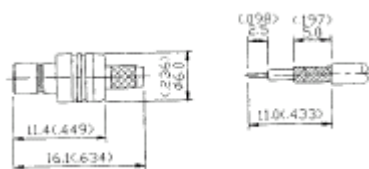
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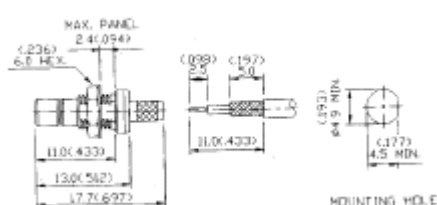
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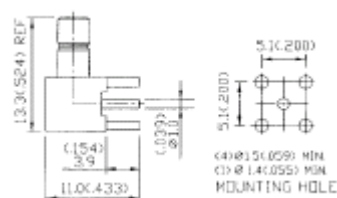
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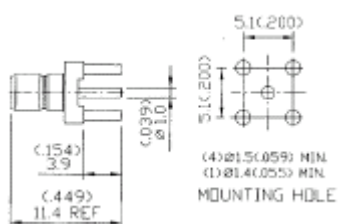
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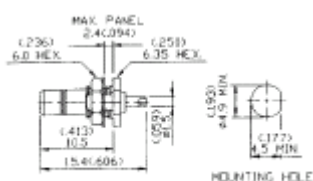
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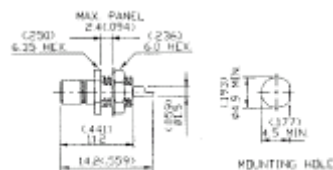
24-12-2-TGG



24-09-1-TGG



24-10-1-TGG



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Specifications

Type	Applicable Cable	Part Number
Jacks-RG174 Straight Clamp	RG 174	24-02L-1-TGG
PCB Mount Jacks Straight	-	24-14-2-TGG
PCB Mount Jacks RA	-	24-12-2-TGG
Bulkhead Jacks-Solder Front Mount	-	24-10-1-TGG
Bulkhead Jacks-Solder Rear Mount	-	24-09-1-TGG
Plugs-RG174 Straight Clamp	RG 174	24-01L-1-TGG
		24-05L-1-TGG
		24-06L-1-TGG
Jacks-RG174 Straight Crimp		
Bulkhead Jacks Crimp Straight	-	24-07L-1-TGG
Adaptors SMB Plug-SMB Plug	-	24-15-1-TGG
Adaptors SMB Bulkhead Jack-SMB Jack	-	24-16-1-TGG

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Notes:

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