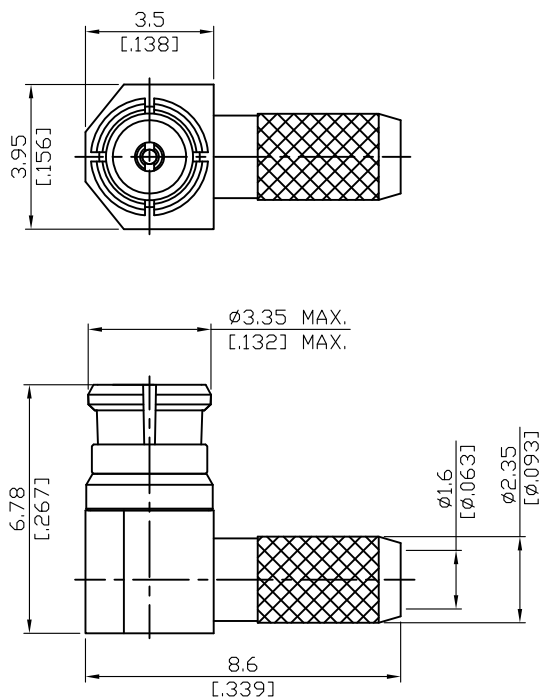


SMP8100-9316

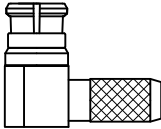
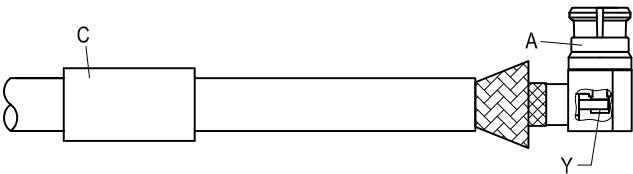
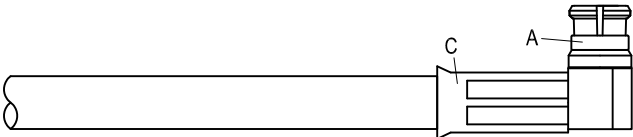
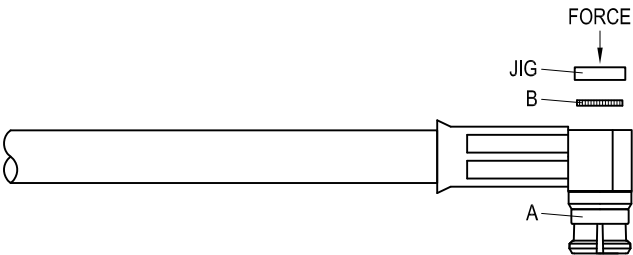
SMP jack crimp right angle
For RG174,RG188,RG316; 8GHz VSWR 1.2 50Ω



Parts	Material	Plating (Micro-inch)
Body	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Insulator	Teflon	
Contact Pin	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Retainer Ring	Beryllium Copper	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Cover	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20
Ferrule	Brass	Gold 4 Over Nickel-Phosphorus Alloy 80 Over Copper 20

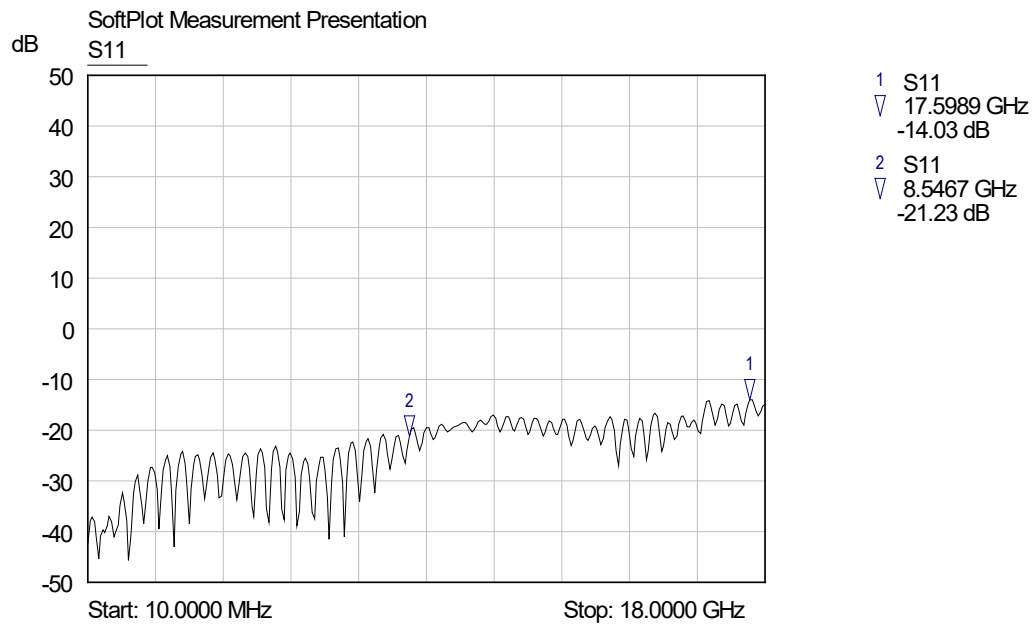
Suitable Cables: RG174,RG188,RG316

SMP		SMP8100-9316			
<div>Interface</div> <div>MIL-STD-348B</div>					
<div>Electrical Data</div> <div><div>Impedance</div><div>50Ω</div></div> <div><div>Frequency range</div><div>DC to 8GHz</div></div> <div><div>VSWR</div><div>≤1.2 (DC to 8GHz)</div></div> <div><div>Insertion loss</div><div>≤.06 x √f(GHz) dB</div></div> <div><div>Insulation resistance</div><div>≥5000 MΩ</div></div> <div><div>Contact resistance inner conductor</div><div>≤6mΩ</div></div> <div><div>Contact resistance outer conductor</div><div>≤2mΩ</div></div> <div><div>Dielectric withstanding voltage (at sea level)</div><div>500</div></div> <div><div>Working Voltage (at sea level)</div><div>335</div></div> <div><div>RF-Leakage</div><div>≥80dB (3GHz); ≥65dB (3~26.5GHz)</div></div>					
<div>Mechanical Data</div> <div><div>Engagement force</div><div>Disengagement force</div><div>Durability (mating)</div><div>Axial misalignment</div><div>Radial misalignment</div></div>		<div>Full</div> <div>Detent</div>	<div>Limited</div> <div>Detent</div>	<div>Smooth bore</div> <div>& catchers mit</div>	
		≤15	≤10	≤2	lbs
		≥5	≥2	≥0.5	lbs
		≥100	≥500	≥1000	
		+ 0.00 / -0.25 (+.000 / -.010)			
		±0.25 (0.010)			
<div>Environmental Data</div> <div><div>Temperature range</div><div>-65°C to +165°C</div></div> <div><div>Thermal shock</div><div>MIL-STD-202, Method 107, Condition B</div></div> <div><div>Moisture resistance</div><div>MIL-STD-202, Method 106</div></div> <div><div>Corrosion</div><div>MIL-STD-202, Method 101, Condition B</div></div> <div><div>RoHS</div><div>Compliant</div></div>					
<div>Tooling</div> <div><div>Crimping tool</div><div>CRT-1 or CRT-2</div></div> <div><div>Crimp insert</div><div>INSERT-A</div></div>					

SMP8100-9316		DATE	2019/09/11	REV	A
<div> <div>A</div> <div>B</div> <div>C</div> <div>  </div> <div>  </div> <div>  </div> <div> <div>BODY</div> <div>COVER</div> <div>FERRULE</div> </div> </div>					
DIAGRAM			ASSEMBLY INSTRUCTION		
			Step 1: STRIP AS SHOWN.		
			Step 2: SLIDE FERRULE " C " OVER CABLE. Step 3: WRAP THE BRAIDING UPWARDS. Step 4: SLIDE CENTER CONDUCTOR ON THE CONTACT PIN OF CONNECTOR " A " AND SOLDER IN " Y ".		
			Step 5: SLIDE FERRULE " C " TOWARDS THE CONNECTOR " A " AND CRIMP. (USE 3.3mm/0.130inch HEX SECTION OF INSERT-A)		
			Step 6: PRESS ON THE TOP OF " B " WITH JIGS.		
APPROVED		CHECKED		DRAWING	

SMP8100-9316

S11



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