

Electrical Specifications		
Frequency:	DC - 18.0 GHz	
Impedance:	50 Ohms	
VSWR:	1.25:1 max.	
Insertion Loss:	0.2 dB typ., 0.3 dB max.	
RF Leakage:	-(90 - f(GHz)) dB	
Insulation Resistance:	shall not be less than 5,000 megaohms	
Dielectric Withstanding Voltage:	1,000 Volts rms at Sea Level	
RF High Potential Withstanding Voltage:	670 Volts rms at 5 MHz	
Materials		
Steel	Corrosion resistant 1.4305 per DIN EN 10088-3 (ASTM-A-582-80)	
Copper Beryllium	33-25 CuBe2Pb H per DIN 17666 (ASTM-B-196)	
PTFE	PolyTetraFluoroEthylene per ASTM-D-1710	
Epoxy Resin	per In-House specification	
Finish		
Stainless Steel	shall be passivated per ASTM-A-967	
Copper Beryllium	Centre Contacts shall be gold plated to a minimum thickness of .00005 inch (127 µm) in accordance with ASTM-B-488, Type III, Code C, Class 125.	
	Outer Conductor shall be gold plated to a minimum thickness of .000031 inch (0.75 µm) per ASTM-B-488, Type III, Code C, Class 0.75.	

DRAWING-SETS		SURFACE TREATMENT		ADM. TOL.		SURFACE		SCALE		WEIGHT	
8001-SF21-02								MATERIAL			
								DESCRIPTION			
								Adapter			
								SMA Female Push-On to SMA Female			
								Straight, Bulkhead Feedthrough			
								DRAWING NUMBER		8001-SF21-02	
								SHEET		OF	

1 Elec. Specs		22.11.16		JPH		DATE		NAME		DRAWING NUMBER		SHEET	
Materials						29.05.02		TPU		8001-SF21-02		OF	
Finishes						29.05.02		P.V.N					
Re-Drawn													
CHANGES		DATE		NAME									

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				8001-SF21-02		OF	

SMA		Female		Push-On		Non-Locking		2 Across Flats		9.53 [.3/8"]		Panel Max		3.5 [.138"]		≈21.8 [.859"]		SMA		Female		1/4"-36		UNS-2A		7.94 [5/16"]		Hex.			

To improve our product we reserve the right to make changes. Specifications are therefore subject to change without notice.	
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