

Data Sheet

Microwave Cable Assemblies

PMASF550S/11SK/11SK/24in Part No.: 85185117

Main characteristics

SUCOFLEX 550S microwave cable assemblies set a new measurement standard through 50 GHz. Absolute phase matched +/- 1ps.



Product configuration

Cable Type	SUCOFLEX 550S			
Lenght	610.0 mm 24.0 in REF to REF			
	Type		Series	
Connector A	SF_11_SK-501	2.92 mm	straight	plug
Connector B	SF_11_SK-501	2.92 mm	straight	plug

Technical data

Electrical data

Impedance	50.0 Ω
Operating Frequency max	40.0 GHz
Min. Return Loss	14.9 dB VSWR 1.439
Max. Insertion Loss	2.58 dB
Signal Delay	43.0 ns/m
Propagation Velocity	77.0 %
Screen Effectiveness	≥ 90.0 dB 26.5 GHz
Amplitude stability vs.Flex[\pm]	0.05 dB
Phase Stab vs.Flexure	0.2 $^\circ$ /GHz

Mechanical data

Cable Diameter max	6.1 mm
Minimum Bending Radius Static	25.4 mm
Weight	0.07 kg

Environmental data

Operation Temperature Range	-55.0 $^\circ$ C ... 125.0 $^\circ$ C
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Additional information

Marketing Information	Absolute phase matched +/- 1ps
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