

MICROWAVE TEST ASSEMBLIES, 2.4mm (male), 2.4mm (female), 50 Ohm, 50 GHz, 1000mm

SF550S/11PC24/21PC24/1000mm

Properties

- Applicable up to 50 GHz
- High phase- and amplitude stability with flexure and movement
- Excellent insertion and return loss
- Precise and repeatable measurements
- Long life time - lower measurement cost



Product configuration	
Type of cable	SUCOFLEX_550_S
Type description connector A	SF_11_PC24-501
Series connector A	PC 2.4, straight - plug
Type description connector B	SF_21_PC24-501
Series connector B	PC 2.4, straight - jack
Length	1000 mm
Length type	REF to REF

Electrical data	
Impedance	50 Ω
Max. operating frequency	50 GHz
Min. return loss	14.9 dB
VSWR max	1.439
Max. insertion loss	4.22 dB
Signal delay	4.3 ns/m
Propagation velocity	77 %
Min. screening effectiveness	90 dB
Max. screening frequency	26.5 GHz
Amplitude stability vs. flexure	+/- 0.05 dB
Phase stability vs. flexure	+/- 6 °

Mechanical data	
Weight	0.1 kg
Cable diameter	6.1 mm
Static bending radius	25.4 mm

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Environmental data	
Operation temperature	-55 °C ... 125 °C

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85118943	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c

Comment
SUCOFLEX 550S microwave cable assemblies set a new measurement standard through 50 GHz

Ordering information	
Item number	Item description
85118943	SF550S/11PC24/21PC24/1000mm

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