

MICROWAVE TEST ASSEMBLIES, 1.85mm (male), 1.85mm (male), 50 Ohm, 70 GHz, 24in, time delay matched +/- 1ps.

PMA SF570E/11PC185/11PC185/24in

Properties

- Applicable up to 70 GHz
- High phase- and amplitude stability with flexure and movement
- Excellent insertion and return loss
- Absolute time delay matched +/- 1ps
- Precise and repeatable measurements
- Return loss figures are guaranteed up to 67 GHz



Product configuration

Type of cable	SUCOFLEX_570_E
Type description connector A	SF_11_PC185-503
Series connector A	PC 1.85, straight - plug
Type description connector B	SF_11_PC185-503
Series connector B	PC 1.85, straight - plug
Length	610 mm
Length	24 inch
Length type	REF to REF

Electrical data

Impedance	50 Ω
Max. operating frequency	70 GHz
Min. return loss	14 dB
VSWR max	1.499
Max. insertion loss	4.63 dB
Signal delay	4.3 ns/m
Propagation velocity	77 %
Min. screening effectiveness	90 dB
Max. screening frequency	18 GHz
Amplitude stability vs. flexure	+/- 0.1 dB
Phase stability vs. flexure	+/- 10 °
Phase- / Time delay matching	Time delay absolute, +/- 1 ps

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Mechanical data	
Cable diameter	3.3 mm
Static bending radius	11 mm

Environmental data	
Operation temperature	-40 °C ... 85 °C

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85184845	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c

Comment
SUCOFLEX 570E microwave cable assemblies set a new measurement standard through 70 GHz.
Return loss figures are guaranteed up to 67 GHz.

Ordering information	
Item number	Item description
85184845	PMA SF570E/11PC185/11PC185/24in

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