

MICROWAVE TEST ASSEMBLIES, 1.85mm (male), 1.85mm (female), 50 Ohm, 70 GHz, 36in, time delay matched +/- 1ps.

PMASF570S/11PC185/21PC185/36in

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_S
Type description connector A	SF_11_PC185-501
Series connector A	PC 1.85, straight - plug
Type description connector B	SF_21_PC185-501
Series connector B	PC 1.85, straight - jack
Length	914 mm
Length	36 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	6.48 dB
Signal delay	4.3 ns/m
Propagation velocity	77 %
Min. screening effectiveness	90 dB
Max. screening frequency	18 GHz
Amplitude stability vs. flexure	+/- 0.05 dB
Phase stability vs. flexure	+/- 8 °
Phase- / Time delay matching	Time delay absolute, +/- 1 ps

MICROWAVE TEST ASSEMBLIES, 1.85mm (male), 1.85mm (female), 50 Ohm, 70 GHz, 36in, time delay matched +/- 1ps.

PMASF570S/11PC185/21PC185/36in

Mechanical data	
Weight	0.085 kg
Cable diameter	5.8 mm
Static bending radius	25.4 mm

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85153053	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c

Comment
SUCOFLEX 570S 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
85153053	PMASF570S/11PC185/21PC185/36in

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P10602 / Date of publication: 11.04.2025 / uncontrolled copy