

MICROWAVE TEST ASSEMBLIES, 2.4mm (male), 2.4mm (female), 50 Ohm, 50 GHz, 48in

SF550S/11PC24/21PC24/48in

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	1219 mm
Length	48 inch
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	5.24 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	0.13 kg
Cable diameter	6.1 mm
Static bending radius	25.4 mm

MICROWAVE TEST ASSEMBLIES, 2.4mm (male), 2.4mm (female), 50 Ohm, 50 GHz, 48in
SF550S/11PC24/21PC24/48in

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

Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85120072	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
85120072	SF550S/11PC24/21PC24/48in

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-P10516 / Date of publication: 08.04.2025 / uncontrolled copy