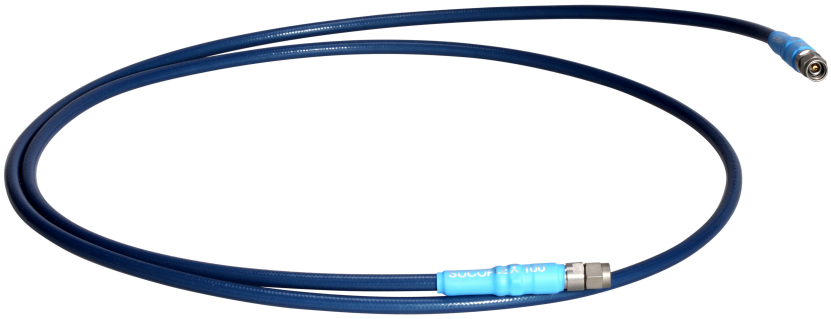
DATA SHEET

MICROWAVE TEST ASSEMBLIES, MMPX (male), MMPX (male), 50 Ohm, 40 GHz, 305mm, time delay matched +/- 1ps.

PMASF102E/11MMPX/11MMPX/305mm

Properties

- Applicable up to 40 GHz
- Excellent insertion and return loss
- Absolute time delay matched +/- 1ps



Product configuration	
Type of cable	SUCOFLEX_102_E
Type description connector A	SF_11_MMPX-201
Series connector A	MMPX, straight - plug
Type description connector B	SF_11_MMPX-201
Series connector B	MMPX, straight - plug
Length	305 mm
Length	12 inch
Length type	REF to REF

Electrical data	
Impedance	50 Ω
Max. operating frequency	40 GHz
Min. return loss	14 dB
Max. insertion loss	1.2 dB
Propagation velocity	77 %
Min. screening effectiveness	90 dB
Max. screening frequency	18 GHz
Amplitude stability vs. flexure	+/- 0.2 dB
Phase- / Time delay matching	Time delay absolute, +/- 1 ps

Mechanical data	
Cable diameter	4 mm
Static bending radius	12 mm

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

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Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
85108590	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c

Comment
The SUCOFLEX 102 high end cable assemblies are designed to provide optimal performance up to 40 GHz were stringent electrical requirements â€“ in particular stability and low loss, are important.

Ordering information	
Item number	Item description
85108590	PMA SF102E/11MMPX/11MMPX/305MM

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