

Data Sheet

Microwave Cable Assemblies

PMASF550E/11PC24/11PC24/36in Part No.: 85169947

Main characteristics

SUCOFLEX 550E microwave cable assemblies set a new measurement standard through 50 GHz. Absolute phase matched +/- 1ps.



Product configuration

| | | | |
|-------------|-----------------------------|---------------|---------------|
| Cable Type | SUCOFLEX 550E | | |
| Lenght | 914.0 mm 36.0 in REF to REF | | |
| | Type | Series | |
| Connector A | SF_11_PC24-503 | 2.4 mm | straight plug |
| Connector B | SF_11_PC24-503 | 2.4 mm | straight plug |

Technical data

Electrical data

| | |
|--------------------------------|--------------------|
| Impedance | 50.0 Ω |
| Operating Frequency max | 50.0 GHz |
| Min. Return Loss | 14.9 dB VSWR 1.439 |
| Max. Insertion Loss | 4.02 dB |
| Signal Delay | 4.3 ns/m |
| Propagation Velocity | 77.0 % |
| Screen Effectiveness | ≥ 90.0 dB 26.5 GHz |
| Amplitude stability vs.Flex[±] | 0.1 dB |
| Phase Stab vs.Flexure | 0.35 °/GHz |

Mechanical data

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|-------------------------------|---------|
| Cable Diameter max | 3.7 mm |
| Minimum Bending Radius Static | 11.0 mm |
| Weight | 0.06 kg |

Environmental data

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|-----------------------------|----------------------|
| Operation Temperature Range | -40.0 °C ... 85.0 °C |
|-----------------------------|----------------------|

Additional information

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|------------------------------|--------------------------------|
| Marketing Information | Absolute phase matched +/- 1ps |
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