

# MICROWAVE TEST ASSEMBLIES, 2.4mm (male), 2.4mm (male), 50 Ohm, 50 GHz, 24in , time delay matched +/- 1ps. PMASF550S/11PC24/11PC24/24in

## Properties

- Applicable up to 26.5 GHz
- High phase- and amplitude stability with flexure and movement
- Excellent insertion and return loss
- Absolute time delay matched +/- 1ps
- Precise and repeatable measurements



## 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_11_PC24-501          |
| Series connector B           | PC 2.4, straight - plug |
| Length                       | 610 mm                  |
| Length                       | 24 inch                 |
| Length type                  | REF to REF              |

## Electrical data

|                                 |                               |
|---------------------------------|-------------------------------|
| Impedance                       | 50 $\Omega$                   |
| Max. operating frequency        | 50 GHz                        |
| Min. return loss                | 14.9 dB                       |
| VSWR max                        | 1.439                         |
| Max. insertion loss             | 2.85 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     | +/- 6 °                       |
| Phase- / Time delay matching    | Time delay absolute, +/- 1 ps |

## Mechanical data

|                       |          |
|-----------------------|----------|
| Weight                | 0.085 kg |
| Cable diameter        | 6.1 mm   |
| Static bending radius | 25.4 mm  |

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PMASF550S/11PC24/11PC24/24in

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

| Compliance  |                                   |                          |                      |
|-------------|-----------------------------------|--------------------------|----------------------|
| Item number | Directive / Regulation            | Rating                   | Exemptions / Details |
| 85153038    | 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              |
| 85153038             | PMA SF550S/11PC24/11PC24/24in |

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