

MICROWAVE TEST ASSEMBLIES, 1.0mm (male), 1.0mm (female), 50 Ohm, 110 GHz, 12in
ST110/11PC10/21PC10/12in

Properties

- Applicable up to 110 GHz
- Excellent return loss
- Unique phase- and loss stability
- Stock delivery on standard lengths



| Product configuration | |
|------------------------------|-------------------------------|
| Type of cable | Sucotest_110 |
| Type description connector A | SF_11_PC1.0 (straight male) |
| Type description connector B | SF_21_PC1.0 (straight female) |
| Length | 305 mm |
| Length | 12 inch |
| Length type | REF to REF |

| Electrical data | |
|---------------------------------|------------|
| Impedance | 50 Ω |
| Max. operating frequency | 110 GHz |
| Min. return loss | 14.7 dB |
| VSWR max | 1.45 |
| Max. insertion loss | 6.35 dB |
| Propagation velocity | 70 % |
| Min. screening effectiveness | > 90 dB |
| Max. screening frequency | 18 GHz |
| Amplitude stability vs. flexure | +/- 0.2 dB |
| Phase stability vs. flexure | +/- 20 ° |

| Mechanical data | |
|------------------------|---------|
| Weight | 20 g |
| Cable diameter | 4.25 mm |
| Static bending radius | 25 mm |
| Dynamic bending radius | 43 mm |

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

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| Material compliance | | | |
|---------------------|-----------------------------------|--------------------------|----------------------|
| Item number | Directive / Regulation | Rating | Exemptions / Details |
| 85229039 | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption | 6a |
| | | | 6b |
| | | | 6c |
| | REACH 1907/2006 Article 33 SVHC | Free of SVHC >0,1% | |

| Comment |
|---|
| The test lead up to 110 GHz - for the highest standard of measurement |

| Ordering information | |
|----------------------|--------------------------|
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| 85229039 | ST110/11PC10/21PC10/12in |

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