CSP-30TS-011

With the addition of the CSP-30TS-011 high performance Radio Frequency probe, ECT adds to its industry proven high speed test interface portfolio. The probe incorporates several innovative features that result in superior performance and ease of use. The CSP-30TS-011 was specifically designed to contact PCBA board features such as: test pads and vias. With a bandwidth in excess of 20 G Hz @ -1dB the CSP-30TS-011 offers outstanding signal integrity and measurement capability.

The CSP-30TS-011 provides spring loaded compliance for both the center signal probe and up to four outer ground probes. The CSP-30TS-011 features easy to replace signal and ground probes. The knurl housing feature provides for easy and reliable press fit mounting.

The CSP-30TS-011 coaxial probe provides instrumentation-quality interface for broadband R.F. measurements in excess of 20 G Hz. With the CSP-30TS-011 R.F. circuit design, impedance characterization measurements can be performed in both high volume testing or engineering lab environments. Accurate and repeatable small signal and R.F. power (50 Watts) measurements provide consistent and repeatable results.

CSP-30TS Benefits Summary

- Probe contacts PCBA test pad and vias
- Easy to replace signal and ground probes: SPT-30T-020 & SPT-30T-021
- The CSP-30TS-011 is compatible with ECT ICT/FT probes
- Ideal for high volume production or engineering lab test
- Incorporates spring probes in an open architecture format
- Proven RF measurements in excess of 20 G Hz
- Consistent 50 Ohm impedance
- Rugged design for inline applications
CSP-30TS-011

Mechanical
Recommended Travel: 0.067 (1.70)
Full Travel: 0.100 (2.54)
Operating Temperature: -55°C to 85°C
Connection: Standard SMA Connector

Spring Force in oz. (grams)

<table>
<thead>
<tr>
<th>Order Code</th>
<th>Preload</th>
<th>Rec. Travel</th>
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<tbody>
<tr>
<td>Standard CSP-30TS-011</td>
<td>1.59 (40)*</td>
<td>7.0 (198)*</td>
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* Fully populated - 5 probes total

Electrical (Static Conditions)
Nominal Impedance: 50 Ohms
Average Probe Resistance: <50 mOhms
Bandwidth @ -1 dB: >20 GHz

Replaceable probe: SPL-30T-020

Replaceable probe: SPL-30T-021

Materials and Finishes
Housing: Brass, Gold plated
Dielectric: Rexolite
Spring: Stainless Steel, Gold plated over hard Nickel

Mounting
Hole diameter: 0.213 (5.4)

Replaceable Probes
Order Number (CSP-30TS-011):
Signal SPL-30T-020
Ground SPL-30T-021

Applications
Designed for use in interconnect applications where signal integrity is required, such as accessing high frequency RF targets on circuit boards. Can also be used as R.F. mating connector.

CSP-30TS-011 Probe Mounting

NOTE: CSP-30TS-011 coaxial probes are compatible with other ECT PCB test probes such as POGO and LFRE. Mount probes so that both CSP-30 and PCB test probes reach recommended travel at the target fixture deflection.