

# Cascade Microtech, Inc.

## SPECIFICATION SHEET



High-accuracy, high-quality  
calibration substrates

# CSR

For RF and Microwave Wafer Probes

- 100% laser trimmed LOAD resistor
- DC accuracy (LOAD):  $50 \Omega \pm 0.15 \Omega$  (0.05 % typical)
- Best stability over temperature from 10K to +150°C (maximum drift:  $\pm 0.3\%$ )

- Highest accuracy, verified with NIST methods
- Supports LRM+, RRMT+, SOLT, SOLR, TRL and other calibration methods
- Long lifetime with rugged, hard-gold standards

### IZI PROBE / DUAL IZI PROBE / MULTI IZI PROBE / IZI PROBE POWER

Configuration	Pitch ( $\mu\text{m}$ )	Calibration Substrate
GSG	50 to 150	CSR-9 (PN73319)
	100 to 250	CSR-8 (PN 62025)
	250 to 500	CSR-4 (PN 41702)
	500 to 1250	CSR-15 (PN 62563)
GS / SG	50 to 250	CSR-6 (PN 56407)
	250 to 500	CSR-5 (PN 41704)
	500 to 1250	CSR-16 (PN 69061)
GSGSG	100	CSR-30 (PN 51077)
	125	CSR-35 (PN 51082)
	150	CSR-31 (PN 51078)
	200	CSR-32 (PN 51079)
	250	CSR-33 (PN 51080)
	500	CSR-34 (PN 51081)

## |Z| PROBE / DUAL |Z| PROBE / MULTI |Z| PROBE / |Z| PROBE POWER

Configuration	Pitch (µm)	Calibration Substrate
GSSG	100	CSR-40 (PN 52379)
	125 to 150	CSR-41 (PN 51874)
	200 to 250	CSR-43 (PN 51875)
	400 to 600	CSR-44 (PN 51876)
SGS	100	CSR-50 (PN 53527)
	125 to 150	CSR-51 (PN 53528)
	200 to 250	CSR-53 (PN 53529)
	400 to 500	CSR-54 (PN 53530)
GSG, SG, GS	100 to 300	CSR-101 right angle standards (PN 71392)

## |Z| PROBE PCB

Configuration	Pitch (µm)	Calibration Substrate
GSG	500 to 1250	CSR-15 (PN 62563)
	1000 to 2500	CSR-17 (PN 71391)
	2750 to 4000	Contact Cascade Microtech
GS / SG	500 to 1250	CSR-16 (PN 69061)
	1000 to 2500	CSR-18 (PN 67074)
	2750 to 4000	Contact Cascade Microtech

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