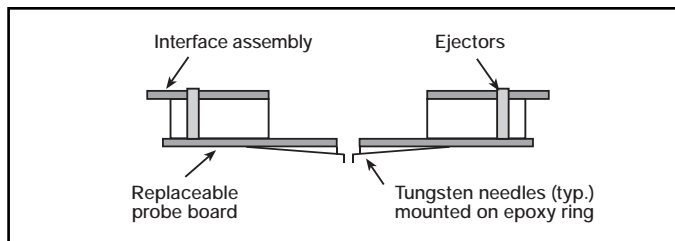


S600 Series

Automatic Parametric Tester Probe Cards

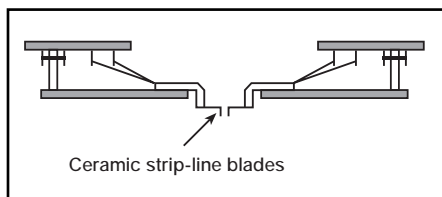


Epoxy Ring Probe Card

- Only the probe board needs to be replaced for maintenance.
- To separate boards, simply push on ejectors; to reconnect, align with offset pins and push fit.
- Largest number of suppliers.

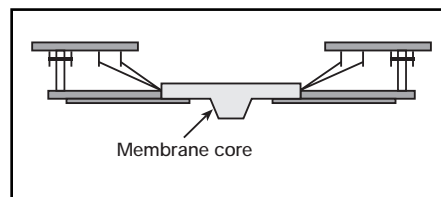
Faster measurements and minimal dielectric absorption from a patented design

- **Epoxy Ring:** Provides lowest cost for pA level measurements
- **Ceramic Blade:** Provides fA level sensitivity
- **Coax Epoxy:** Provides fA sensitivity and extended temperature range
- **Membrane:** Tighter pitch for probing smaller pads
- **All probe cards are compatible with Probe Card Manager (PCM) option, Offline Probe Card Manager (OPCM) option, and Softouch option**



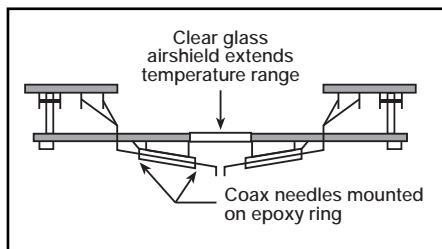
Ceramic Blade Probe Card

- Signals guarded to blade tips to ensure signal integrity.
- Strip-line ceramic blades.
- Maintainable in-house.



Membrane Probe Card

- For probing smaller probe pads and tighter pitches.
- Mid-range sensitivity and extended temperature range.
- Less planarization wear.



Coax Epoxy Probe Card

- Most sensitive measurements at lower cost of ownership.
- Guarded coaxial probe needles through epoxy ring to ensure signal integrity and minimize leakage.
- Probe lifetime about 3x longer than ceramic blades.

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S600 Series

Automatic Parametric Test Probe Cards

Specification Summary (See S600 System Specifications for complete specifications.)

	Coax Epoxy (P/N 60237-PCE)	Ceramic Blade (P/N 60239-PCC)	Epoxy Ring ¹ (P/N 60238-PPC)		Membrane (P/N 60236-MPC)
Leakage: Pin to Ground, Pin to Pin	<1 fA/V	<1 fA/V	<200 fA/V typ.		<20 fA/V
Capacitance: Pin to adjacent pin: Pin to non-adjacent pin:	1 pF typ. 200 fF typ.	1 pF typ. 200 fF typ.	PPC 5 pF typ. 1 pF typ.	PPC 2 2.5 pF typ. 1 pF typ.	1 pF typ. 200 fF typ.
Chuck temp range on supported probers, chucks	-55°C to 200°C	Ambient to 200°C	Ambient to 200°C		-55°C to 125°C
Vendors	JEM America, Mesatronic, MIC	K&S, Mesatronic, Wentworth, M.P.I. (Taiwan), DFW Test	Keithley data package available at no cost to any manufacturer.		Cascade Microtech, Inc.

1 Epoxy Ring Interface Assembly (Top) available only from Keithley.
For specifications at extended temperatures, consult complete S600 System Specifications.
Vendor list complete at time of publication; for up-to-date list, contact Keithley.

Supported Probers

Accretech-TSK: APM-90, UF-190, UF-200, UF-300.

Electrogas: EG2001, EG2010, EG4080, EG4085, EG4090, EG4|200, EG5|300.

TEL: P-8, P-12.

Cascade Microtech: PS-21.

Most common chucks supported; contact factory for complete list. For probers not listed above, contact factory.

For thermal specs, consult factory.

Approved Manufacturers (Licensed Manufacturing Sites)

Cascade Microtech, Inc.

2430 NW 206th Ave.
Beaverton, OR 97006
Tel.: (503) 601-1000
Fax: (503) 601-1002
www.casademicrotech.com

DFW Test Inc.

408 North Bowser
Suite 100
Richardson, TX 75081
Tel.: (972) 231-1094
Fax: (972) 231-1895
www.dfwtest.com

JEM America

3000 Laurelview Court
Fremont, CA 94538
Tel.: (510) 683-9234
Fax: (510) 683-9790
www.jemam.com

K&S

1150 N. Fiesta Blvd.
Gilbert, AZ 85233
Tel.: (480) 333-1500
Fax: (480) 333-1670
www.cerprobe.com

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Fax: 886-3-5518381

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