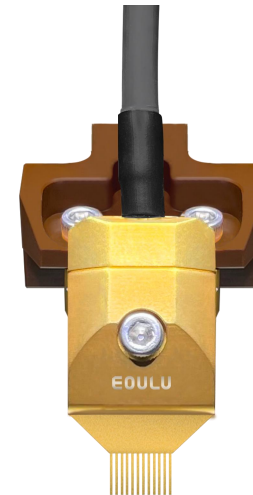


Eoulu Sky Series - High Power Probes

HP-001 Ultra High Power Probe

Novel Features

- Ultra high power, maximum voltage 10 kV, maximum current 300 A pulse / 20 A DC
- High-voltage Banana (4mm) connector
- Wide operating temperature -60°C ~ 300°C
- Excellent repeatability and reliability
- Suitable for RF positioners

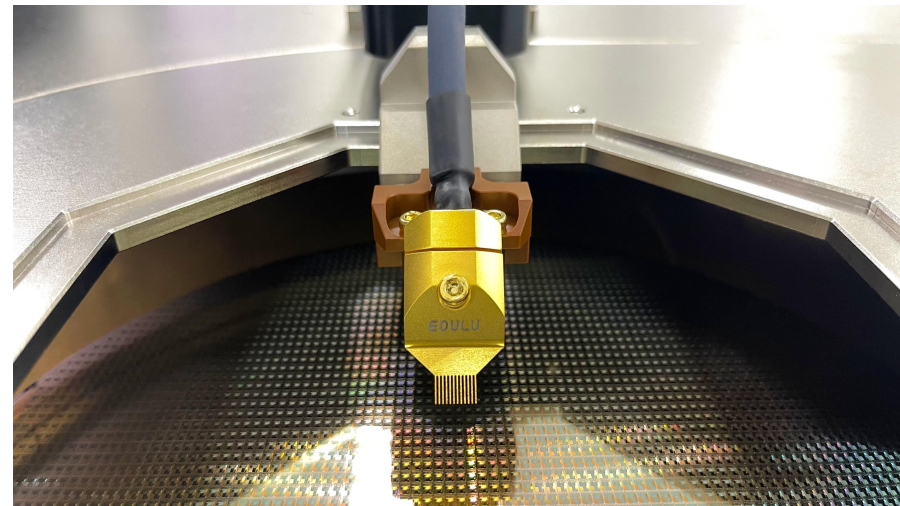


HP-001 Electrical Specifications

1	Maximum voltage	10000 V DC @ 200°C, 8000 V @ 300°C
2	Maximum current	300 A pulse (600 A in a parallel configuration) / 20 A DC
3	Temperature	-60°C ~ 300°C
4	Connector	High-voltage Banana (4mm)
5	Length of cable	1 m
6	Positioner compatibility	RF positioners
7	Typical contact resistance	< 0.05 mΩ (12 fingers , Au pad) < 0.20 mΩ (8 fingers , Au pad) < 0.50 mΩ (4 fingers , Au pad) < 1.00 mΩ (1 finger , Au pad)
8	Probe insulation resistance	> 10 TΩ @ 25°C (Chuck temperature) > 3 TΩ @ 200°C (Chuck temperature) > 1 TΩ @ 300°C (Chuck temperature)
9	Probe tip material	Tungsten
10	Recommended range of overtravel	125 ~ 250 μm
11	Scrub	~ 150 μm @ 300 μm overtravel
12	Finger width	~ 250 μm
13	Finger pitch	650 μm

HP-001 Replaceable Probe Tips

Part Number	Description
D-P01	PROBE TIP, UHP, 25A PULSE, 1 FINGER, BOX OF 5, 250 μm WIDTH
D-P04	PROBE TIP, UHP, 100A PULSE, 4 X 650 μm , BOX OF 5, 2200 μm WIDTH
D-P08	PROBE TIP, UHP, 200A PULSE, 8 X 650 μm , BOX OF 5, 4800 μm WIDTH
D-P12	PROBE TIP, UHP, 300A PULSE, 12 X 650 μm , BOX OF 5, 7400 μm WIDTH



HP-002 / HP-003 High-voltage Probes

Novel Features

- Maximum voltage: 3000 V DC
- Maximum current: 5 A pulse / 1 A DC
- Wide operating temperature: -60°C ~ 300°C
- Connector: SHV / HV Triax
- Probe tip material: Tungsten
- Various sizes are available
- Suitable for DC positioners



HP-002



HP-003

HP-002 / HP-003 Electrical Specifications

1	Maximum voltage	3000 V
2	Maximum current	5 A pulse / 1 A DC for HP-002 2 A pulse / 1 A DC for HP-003
3	Temperature	-60°C ~ 300°C
4	Isolation resistance (force to guard)	> 1 TΩ @ 3,000 V
5	Typical residual capacitance	> 0.5 pF
6	Cable characteristics	50 Ω
7	Connector	SHV for HP-002 HV Triax for HP-003
8	Length of cable	65 cm
9	Recommended range of overtravel	50 ~ 100 μm
10	Scrub	20 ~ 40 μm
11	Leakage	30 fA @10V / 100 fA @3000 V
12	Positioner compatibility	DC positioners

HP-002 / HP-003 Replaceable Probe Tips

Part Number	Description
D-120	PROBE TIP, TUNGSTEN, STRAIGHT, 12 μm , 1 SET OF 25
D-250	PROBE TIP, TUNGSTEN, STRAIGHT, 25 μm , 1 SET OF 25
D-1200	PROBE TIP, TUNGSTEN, STRAIGHT, 120 μm , 1 SET OF 25
D-1500	PROBE TIP, TUNGSTEN, STRAIGHT, 150 μm , 1 SET OF 25
D-A120	PROBE TIP, TUNGSTEN, 45°, 12 μm , 1 SET OF 25
D-A250	PROBE TIP, TUNGSTEN, 45°, 25 μm , 1 SET OF 25

