

Magnetic Field Probes



AEKP001 (Active Probe)
• Low-frequency





ALMP001
• Low-frequency
• High-current
• Wideband



AEMP002
• High-frequency (GHz)
• Wideband

Specifications

Model	AEKP001	AEKP002	ALMP001	AEMP002
Frequency	9kHz - 30MHz		100kHz - 3GHz	10MHz - 18GHz
Measurement range	0.02A - 14A	0.002A - 1.4A	5A (max)	—
Space resolution	1.9mm	2.4mm	1.0mm	0.5mm
Connector	SMA Female		SMA Female	SMA Female
Detector size	9.0mm×3.5mm		12.0mm×3.0mm	2.5mm×0.7mm
Attachment	Compatible with the attachment for CP-2S in 4EM500/4EM200U (NEC Engineering, Ltd.)			
DUTs	<ul style="list-style-type: none"> • Power circuits • DC/DC converters • Power devices 		<ul style="list-style-type: none"> • Inverter equipments • Ferromagnetic field power equipments • Power equipments 	<ul style="list-style-type: none"> • Boards with high speed digital devices (high speed FPGA, DSP, CPU) • High speed digital communication boards (PCI Express 2.0, USB3.0, HDMI1.3, etc.) • Microwave circuit boards and components
Recommended Probe Amplifier	Not needed (Probe Amplifier embedded)		AELA001, AEMA001	AEWA001
Power supply	17V - 22V DC (AC adapter included)			
Compatible probes (NEC Engineering's products)			 <ul style="list-style-type: none"> • Model : MP-10LA • Frequency : 150kHz - 1GHz • Space Resolution : 1.0mm (vary by DUTs) • Connector : SMA Female • Detector Size : 12mm×3mm 	 <ul style="list-style-type: none"> • Model : CP-2S • Frequency : 10MHz - 3GHz • Space Resolution : 0.25mm (vary by DUTs) • Connector : SMA Female • Detector Size : 2mm×1mm

