

120MHz High-frequency Rogowski Coil Current Probe

FCP120M Series

Applications

- Measurement of power frequency (50/60Hz) and high-order harmonic currents
- Semiconductor switching devices (IGBT, MOSFET, SiC, GaN)
- High-frequency sine waves, pulses, and transient currents
- Current and power quality test of motor drives, UPS, switching power supplies
- Measuring small AC currents in the presence of large DC currents
- Distributed current monitoring, power bus and 3-phase power supply

Key Features

- Thin, flexible, clip-around design, strong anti-interference capability
- Covering frequency range of **4Hz** to **120MHz**
- Peak current range from **60A** to **6KA**
- Coil thickness: **1.6mm**
- Coil length: **70mm**
- Coil insulation: **1kVrms**



FCP120M Series: Coil thickness **1.6mm**, Coil length **70mm**, Max. measurable conductor diameter **20mm**.

Model	Sensitivity (mV/A)	Peak Current (A)	Noise (mVp-p)	Droop (%/ms)	LF Bandwidth -3dB(Hz)	Peakdi/dt (kA/μs)	HF Bandwidth -3dB(MHz)	Delay (ns)
FCP120M60	50	60	26	68	90	10	120	19
FCP120M150	20	150	18	42	50	10	120	
FCP120M300	10	300	15	12	20	20	120	
FCP120M600	5.0	600	15	8	15	40	120	
FCP120M1500	2.0	1500	10	3	10	40	120	
FCP120M3K	1.0	3000	5	2	4	40	120	
FCP120M6K	0.5	6000	5	2	4	40	120	



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