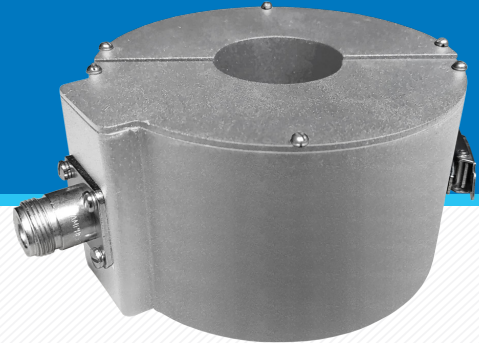


MODEL NUMBER:
RFCP30M

**RFI/EMI CURRENT PROBES
AND INJECTION PROBES**



DESCRIPTION

Direct connection to the conductor carrying EMI current is not necessary, since the probe may be opened for insertion of the conductor into the window of the toroid and then closed again to form a toroidal transformer with the conductor acting as a one-turn primary.

A correction factor graph is provided to convert measured μV to EMI μA s. When the EMI current is measured in dB above $1 \mu\text{V}$ as indicated on a conventional EMI meter, the correction factor will convert the measurement to dB above $1 \mu\text{A}$. The correction factor is the inverse of the transfer impedance, Z_t . Each probe is shipped with a graph of the correction factor versus frequency, keyed to the serial number on the probe.

CURRENT PROBES

Current probes required by various EMI specifications (such as MIL-STD-461/2) are toroidal transformers designed to measure RF currents on active power lines or other conductors.

SPECIFICATIONS

PARAMETER		SPECIFICATION
Window diameter		1.25" (32.0 mm)
Nominal $Z_T \Omega$		1.0
DC to 60 Hz		800
Maximum PRI. (pl) current, A	400 Hz	800
	RF (CW)	100
	Pulse	200
Frequency range		20 Hz - 30 MHz

We provide equivalents for most Stoddart and Eaton probes.