

IP-2 SERIES HIGH FREQUENCY
CURRENT SENSOR

The IP-2 series is a new line of high frequency current sensors that are used to measure current on small conductors that may be passed through the aperture. Their small size minimizes the physical constraints of usual measurements and the choice of three sensitivities allows for a variety of outputs. The flat response over a wide band is unparalleled compared with similar sensors. A short single ended output with an SMA connector is standard but all models can also be ordered with a differential type output. Modifications to the output length and connector type can be made with little impact to cost.

The relationship between the sensed current and output voltage is:

$$V_{out} = Z_t \times I \text{ sensed}$$

where Z_t = Transfer Impedance

ELECTRICAL SPECIFICATIONS

	<u>IP-2-1</u>	<u>IP-2-5</u>	<u>IP-2-10</u>
Freq. Range(3db pts):	100KHz-1.3GHz	125KHz-800MHz	500KHz-1GHz
Transfer Impedance(Z_t):	1 ohm	5 ohms	10 ohms
Current Handling Cap.:	.8 amps(RMS)	.8 amps(RMS)	.8amps(RMS)
Output Impedance:	50 ohms	50 ohms	50 ohms
Standard Connec.:	SMA	SMA	SMA

PHYSICAL SPECIFICATIONS

Mass: 7.2 grams

Dimensions in inches

