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# Power Sensor Selection Guide

LadyBug Covers the RF and microwave power measurement market with three types of USB power sensors. Our True RMS Sensors provide accurate, fast True RMS measurements. LadyBug Peak & Pulse sensors accurately make statistical measurements such as Peak and Pulse Power, Duty Cycle and Crest Factor. In addition to these measurements, our Pulse Profiling sensors offer triggered pulse measurements and statistical functions including CDF, CCDF and PDF measurements. Our sensors offer patented NoZero NoCal technology. Users do not need to zero the sensors before use, simply connect and measure, even for very low power levels.

True RMS Average Sensors	Frequency Range	Dynamic Range	Measurement
LB5908A Power Sensor +	1 MHz to 8 GHz	-60 to +20 dBm*	True RMS Power
LB5908L Power Sensor +	9 kHz to 8 GHz	-60 to +20dBm*	True RMS Power
LB5912A Power Sensor +	1 MHz to 12.5 GHz	-60 to +20 dBm*	True RMS Power
LB5918A Power Sensor +	1 MHz to 18 GHz	-60 to +20 dBm*	True RMS Power
LB5926A Power Sensor +	1 MHz to 26.5 GHz	-60 to +20 dBm*	True RMS Power
LB5940A Power Sensor +	1 MHz to 40 GHz	-60 to +20 dBm*	True RMS Power
LB559A Power Sensor +	10 MHz to 12.5 GHz	-55 to +20 dBm	True RMS Power
LB579A Power Sensor +	10 MHz to 18 GHz	-55 to +20 dBm	True RMS Power
LB589A Power Sensor +	10 MHz to 26.5 GHz	-55 to +20 dBm	True RMS Power

New Product \*Preliminary

Pulse & Average Sensors	Frequency Range	Dynamic Range	Measurement
LB478A Power Sensor +	10 MHz to 8 GHz	-35 to +20 dBm	Peak, Pulse, Average
LB479A Power Sensor +	10 MHz to 8 GHz	-60 to +20 dBm	Peak, Pulse, Average
LB679A Power Sensor +	50 MHz to 20 GHz	-40 to +20 dBm	Peak, Pulse, Average

Pulse Profiling, Peak, Pulse & Average Sensors	Frequency Range	Dynamic Range	Measurement
LB480A Power Sensor +	50 MHz to 8 GHz	-60 to +20 dBm	Peak, Pulse, Ave & P. Profiling
LB680A Power Sensor +	50 MHz to 20 GHz	-40 to +20 dBm	Peak, Pulse, Ave & P. Profiling

## Connector Options & Codes

Connector	Code
SMA Male	OSM
SMA Female	OSF
Type-N Male	ONM
Type-N Female	ONF
3.5 MM Male	35M
3.5 MM Female	35F
2.9 MM Male	29M
Long Barrel N-Male	XNM

## Other Options & Order Codes

Option	Code
Extend Video Bandwidth & add Filters (Pulse Profiling Sensors)	004
Hardware TTL Level Triggering in & out	003
Recorder output - On LB59XX sensors, includes wide band detector out	001
Wide Band Video Detector output	OW2
3 Extended Warranty and Calibration	CW3
3 Year Extended Calibration (adds 2 cal's to a new sensor)	C03
Add Interfaces (SPI, I2C) ribbon cable & connector for power	SPI
Add Unattended Operation Capability	UOC
Security / Sanitization Option (removes non-volatile storage)	MIL

New Product

Please consult product specifications and or option guide for details and applicability.