



LadyBug Technologies, LLC

LB5944A

LB5944L

True-RMS Power Sensors

Option 050

50 GHz Supplemental Data Sheet

LB5944A/L Option 050 Specifications



LB5944A-Option 050 General Description

The LB5944A is a high accuracy True-RMS Power Sensor for general purpose use. The sensor is specified for use up to 44 GHz. The sensor is usable to 50 GHz. This document details the sensor's 44 GHz to 50 GHz capabilities when Option 050 is purchased.

Parameter	Specification	
Dynamic Range (Calibrated Measurement Range)	Average Mode (44 GHz to 50 GHz) : (default mode) -50 dBm to +18 dBm	
	Normal Mode: (44 GHz to 50 GHz) : -30 dBm to +18 dBm (typ: -35 dBm to +18 dBm)	
Parameter	Specification	Typical
Match 44 GHz to 50 GHz	2.55 VSWR	2.1VSWR
Calibration Factor Unc. ¹ (44 GHz to 50 GHz)	3.42% K=2 (K is coverage factor)	1.71% K=1
Flatness (44 GHz to 50 GHz)	10 dB	-

1. For Normal Mode add 1%