



LadyBug Technologies, LLC

LB5944A

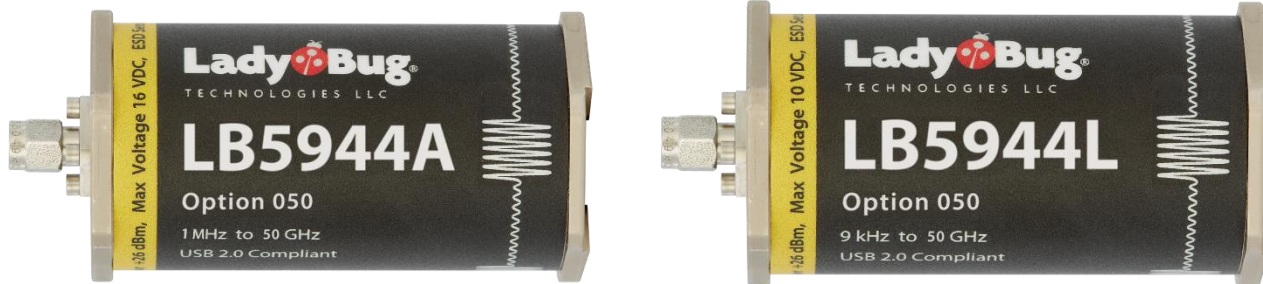
LB5944L

True-RMS Power Sensors

Option 050

50 GHz Supplemental Data Sheet

LB5944A/L Option 050 Specifications



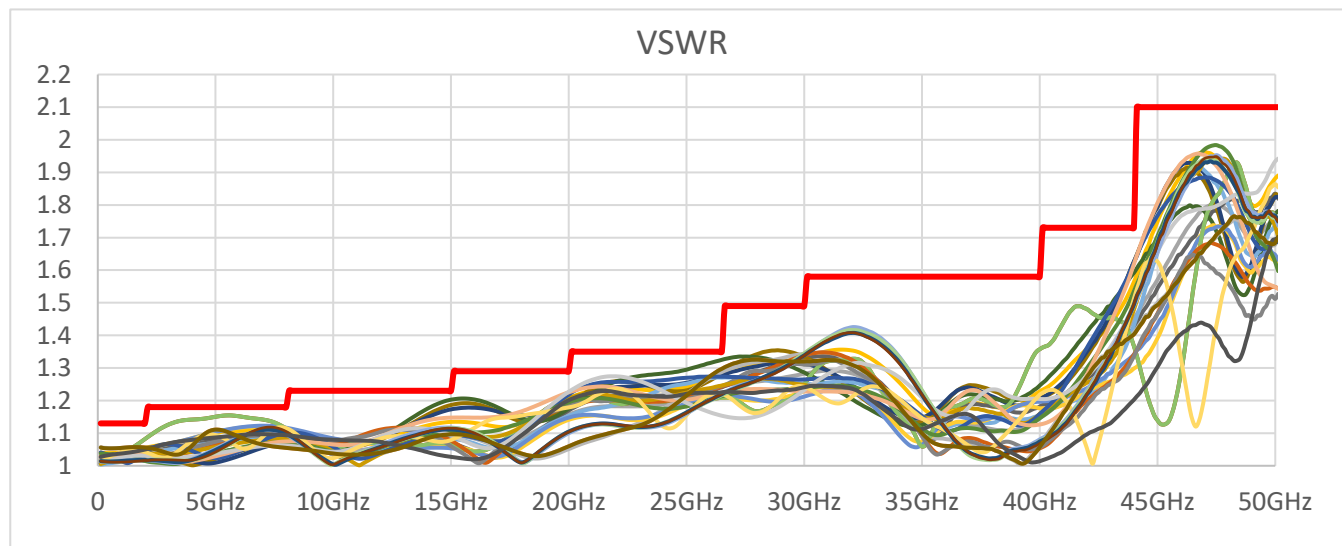
LB5944A/L-Option 050 General Description

The LB5944 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.

When Option 050 is purchased with a LB5944 sensor, the calibration certificate and test data will be included up to 50 GHz. This includes both Reflection Coefficient and Reference Level reports.

Parameter	Option 050 Specification (supplemental to the LB5944A/L Data Sheet)	
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	2.1 VSWR	1.94 VSWR
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%



Match (VSWR) Specification Maximum (red line)
Typical Production Test Data