

Dimensions are in inches, [mm] shown for convenience. Tolerances on 2-pl decimals: $\pm .03$. 3-pl decimals: $\pm .015$.

Electrical Specifications (at +25 °C)	Min	Typ.	Max	Units
Frequency Range	950		2450	MHz
Impedance		50		Ohm
Return Loss Port S	14	17		dB
Return Loss Port 1-4	14	22		dB
Net Gain Through Signal Paths	0	2		dB
Isolation	20	24		dB
Amplitude Balance		0.5	0.8	dB
Phase Balance		±2	±4	Deg
Max Input Power			-20	dBm
DC Blocking	0		+50	VDC

Mechanical	Specification
Environment	Indoor Use
Humidity	10 - 90% non-condensing
Operating Temperature	-10 to +65 °C
Storage Temperature	-55 to +100 °C
Finish	Green Paint
Connector Type	SMA Female
Connector Material	Brass, Gold Plated
Estimated Weight	650 g (23 oz)

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or documentation of the part, in order to implement improvements. Werbel Microwave LLC reserves the right to make such changes as required without notice. Unless otherwise stated, all specifications and dimensions are nominal. Werbel Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Werbel Microwave LLC does not assume any liability arising out of the use of any part of documentation. This document gives only a description of the product(s) and shall not form part of any contract. Please contact a Werbel Microwave LLC Applications Engineer for the most current specification drawing.

			REVISION HISTORY		
REV	DATE	ECN	DESCRIPTION	ORIGINATOR	APPROVED
X1	5/19/2025	NA	Engineering release.	E. Werbel	E. Werbel

Explanation of Part Numbers

Product Code	Function	# Ports	Band	Connector	Special
WMA	PD	08	L	S	DC1

Product Code		Band	
WMA	Active or Amplified	U (UHF)	50-950 MHz
		L (L Band)	950-2450 MHz
Function		Connector	
PC	Power Combiner	S	SMA Female
PD	Power Divider	N	N Female
# Ports	2, 4, 8 or 16-way.	B75	BNC Female 75Ω
		Special Use	
		BT (Bias Tee)	V+ provided at common port.
		DC1	DC passing port 1 only.
		GPS	200Ω resistor output current drain.

Simplified Electrical Schematic

