

20 MHz to 520 MHz Balun at 50 Ohm to 25 Ohm Rated to 100 Watts in a SMT (Surface Mount) Package

The FMBL1001 is part of a family of 100 watt surface mount baluns. It converts between a 50 ohm unbalanced signal (one signal referenced to ground) and balance signals (two 50 Ohm signals referenced to each other, 25 Ohms referenced to ground). These baluns have many useful applications. For example, when matching to low impedances (like transistors), these baluns allows improved matching to applications like push-pull amplifiers with improved bandwidth, and losses while providing second harmonic cancelation.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	20		520	MHz
Unbalanced Impedance		50		Ohms
Balanced Impedance		25		Ohms
Insertion Loss			0.45	dB
VSWR			1.3:1	
Nominal Phase Difference		180		Degrees
Phase Balance		±5		Degrees
Amplitude Balance		±0.45		dB
Input Power (CW)			100	Watts

Mechanical Specifications

Size	
Length	1.15 in [29.21 mm]
Width	1.1 in [27.94 mm]
Height	0.45 in [11.43 mm]
Package Type	Surface Mount

Environmental Specifications

Temperature	
Operating Range	-55 to 85 deg C

Compliance Certifications (visit www.FairviewMicrowave.com for current document)

RoHS Compliant	Yes
REACH Compliant	06/14/2014

Plotted and Other Data

Notes:



Features:

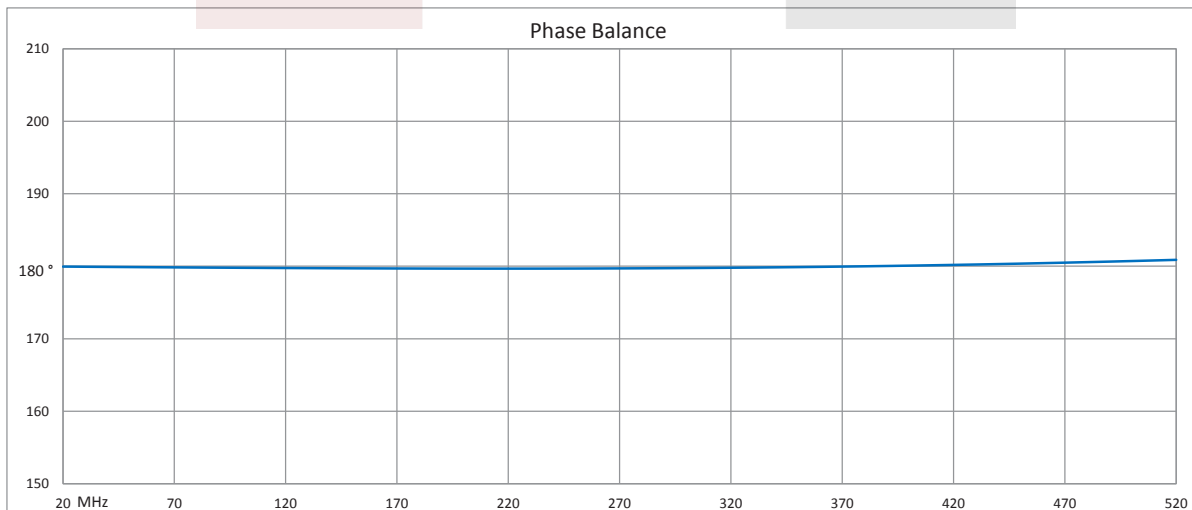
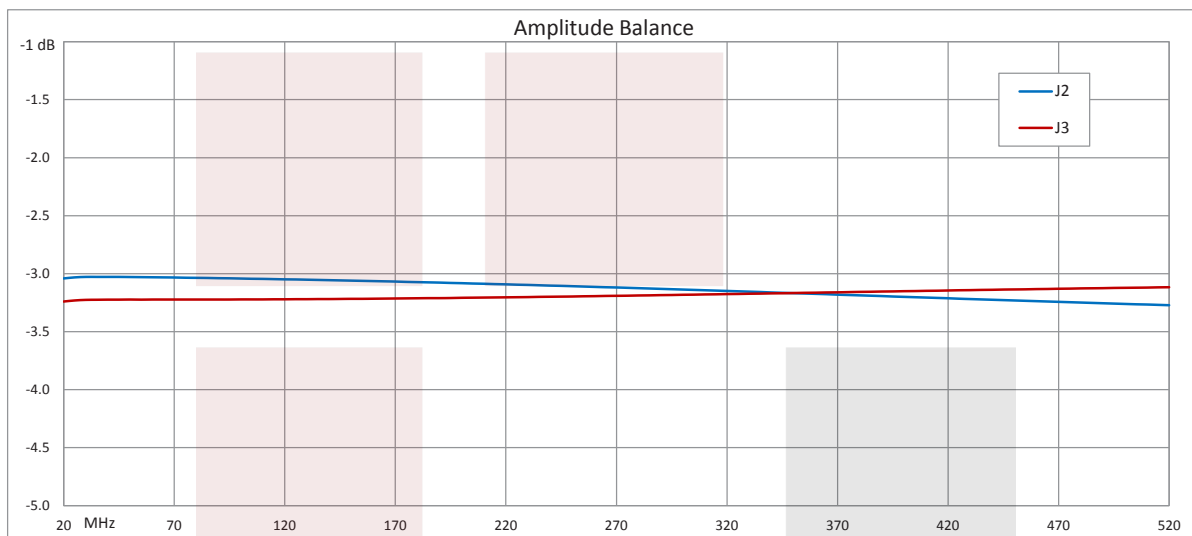
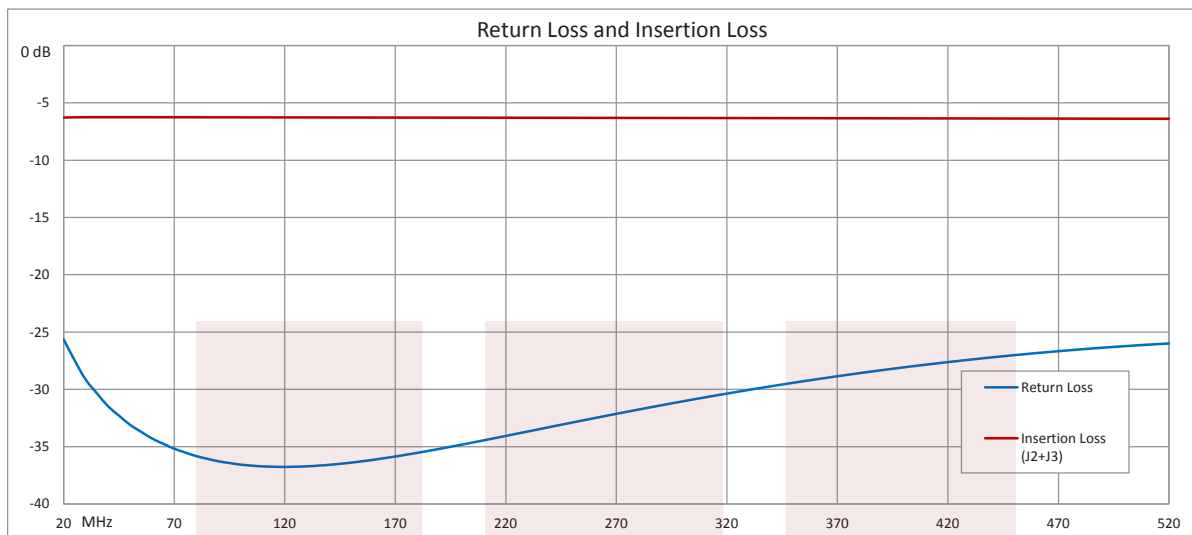
- 20 to 520 MHz Frequency Range
- Surface Mount Device
- 50 ohm unbalanced to 25 ohm balanced

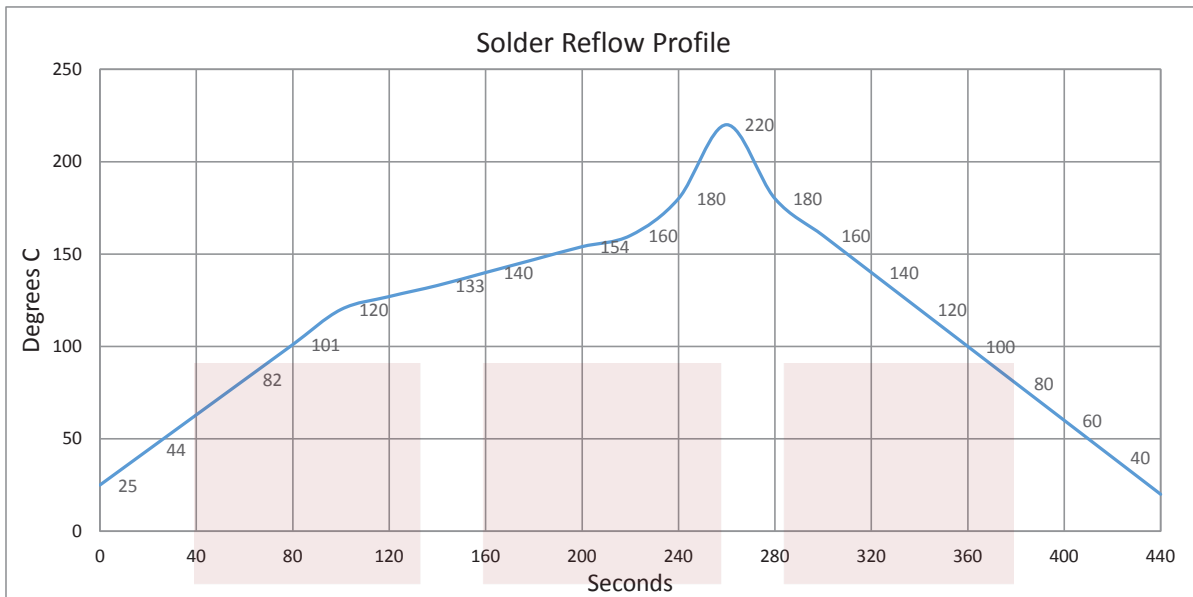
Applications:

- Push-Pull Amplifiers
- Antenna Drivers
- Amateur Radio
- Commercial
- Military

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Typical Performance Data





20 MHz to 520 MHz Balun at 50 Ohm to 25 Ohm Rated to 100 Watts in a SMT (Surface Mount) Package from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [20 MHz to 520 MHz Balun at 50 Ohm to 25 Ohm Rated to 100 Watts in a SMT \(Surface Mount\) Package FMBL1001](http://www.fairviewmicrowave.com/20-mhz-520-mhz-balun-50-25-ohm-100-watts-smt-fmbl1001-p.aspx)

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