

Part No. 3W512

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номер детали	3W512
подробное описание детали	Balun 50Ω to 12.5Ω Balanced
объем файла	320.98 Kbytes
Html View	1 2
производитель	ANAREN [Anaren Microwave]
домашняя страница	http://www.anaren.com
Logo	

Xinger

Balun 50Ω to 12.5Ω Balanced

Description

The 3W512 is a low profile balanced to unbalanced transformer designed for push-pull amplifiers in an easy to use surface mount package for PCS, DCS, and UMTS. These compact Xinger® surface mount baluns are ideal for high volume manufacturing and are more reliable and repeatable than traditional baluns. The 3W512 has an unbalanced port impedance of 50Ω and balanced port impedances of 12.5Ω to ground with a 25Ω balance between outputs. This eases the matching of the push-pull amplifier's power transistors, which have low impedance levels. The output ports have equal amplitude (-3dB) with 180 degree phase differential. The Xinger® balun is a result of years of research and development culminating with a solution so unique, a patent is pending on the design approach. The 3W512 is available on tape and reel for pick and place high volume manufacturing.

Features:

- 1.8 – 2.2 GHz
- 180° Transformer
- 50 Ohm to 12.5+j5.5 Ohm
- Broad Band
- Low Insertion Loss
- High Power
- Even Order Suppression
- Input to Output DC Isolation
- Surface Mountable
- Tape & Reel
- Convenient Package

ELECTRICAL SPECIFICATIONS***

Frequency	Unbalanced Port Impedance	Balanced Port Impedance*	Return Loss	Insertion Loss**
GHz	Ohms	Ohms	dB Min	dB max
1.8 – 2.2	50	12.5+j5.5	15	0.40
Amplitude Balance	Phase Balance	Power Handling	θJC	Operating Temp.
dB max	Degrees max	Watts	°C / Watt	°C
0.40	180± 5.0	150	11.3	-55 to +85

***Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. Specifications subject to change without notice.
* 50Ω reference to ground

Outline Drawing

Top View (Near-side) Side View Bottom View (Far-side)

.075±.008 [1.91±0.20] .100±.004 [2.54±0.10] .290±.004 [7.37±0.10]

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номер детали	подробное описание детали	Html View	производитель
XM1004-BD	20.0-38.0 GHz GaAs MMIC Balanced Mixer	1 2 3 4 5	Mimix Broadband
MAX4747_06	50Ω Low-Voltage Quad SPST/Dual SPDT Analog Switches in UCSP	1 2 3 4 5 More	Maxim Integrated Products
3A512	Balun 50Ω to 12.5Ω Balanced	1 2	Anaren Microwave
3A525	Balun Transformers 50Ω to 25Ω Balanced	1 2	Anaren Microwave
70666	Modulators Balanced	1	Anaren Microwave
3A425	Xinger Balun 50Ω to 25Ω Balanced	1 2	Anaren Microwave
3A412S	Balun Transformers 50 to 12.5 Balanced	1 2	Anaren Microwave
3A325	Xinger Balun 50Ω to 25Ω Balanced	1 2	Anaren Microwave
3A412	Balun Transformers 50 to 12.5 Balanced	1 2	Anaren Microwave

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