



Balun Transformers



Description

The 3W525 is a low profile balanced to unbalanced transformer in an easy to use surface mount package covering DCS, PCS, W-CDMA, WLL and other 3G applications. The 3W525 has an unbalanced port impedance of 50Ω and balanced port impedances of 25Ω to ground with 50Ω 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° phase differential.

Features

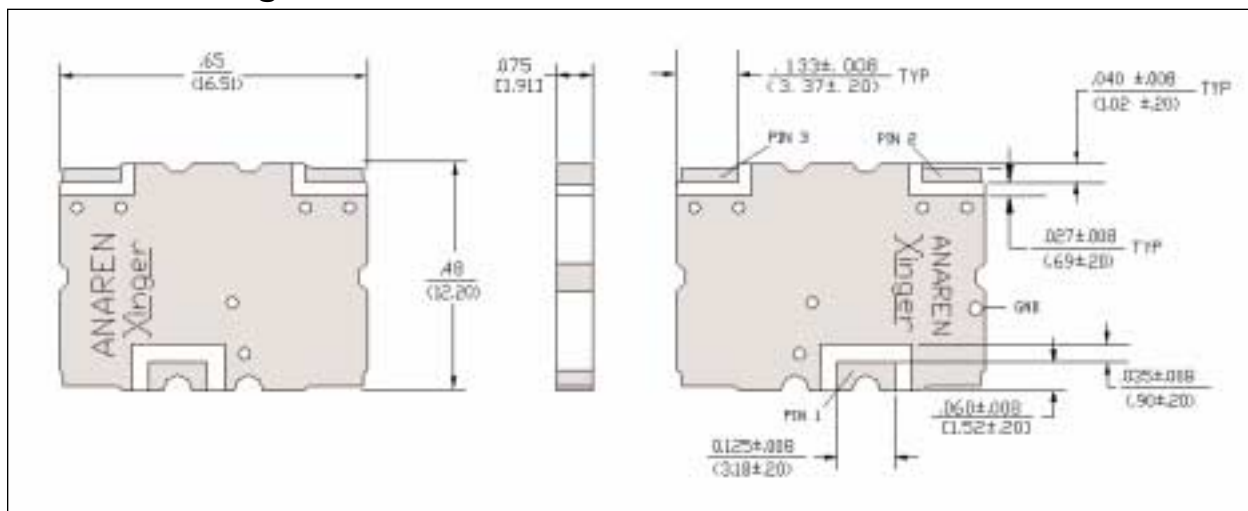
- 1.8 - 2.5 GHz
- 12.5Ω Balanced Port Impedance
- Low Insertion Loss
- High Power
- Input to Output DC Isolation
- Surface Mountable
- Tape And Reel
- Convenient Package

Electrical Specifications

Frequency GHz	Port Impedance Unbalanced	Port Impedance Balanced to Ground
1.8 - 2.5	50Ω	25Ω
Return Loss dB Min	Amplitude Bal. dB (p-p)	Phase Balance degrees
15	0.40	180 ± 5.0
Insertion Loss dB Max	Θ _{JC} °C/diss. Watt	Power Watts Ave/CW
0.30	11.3	150

Specifications subject to change without notice.

Outline Drawing



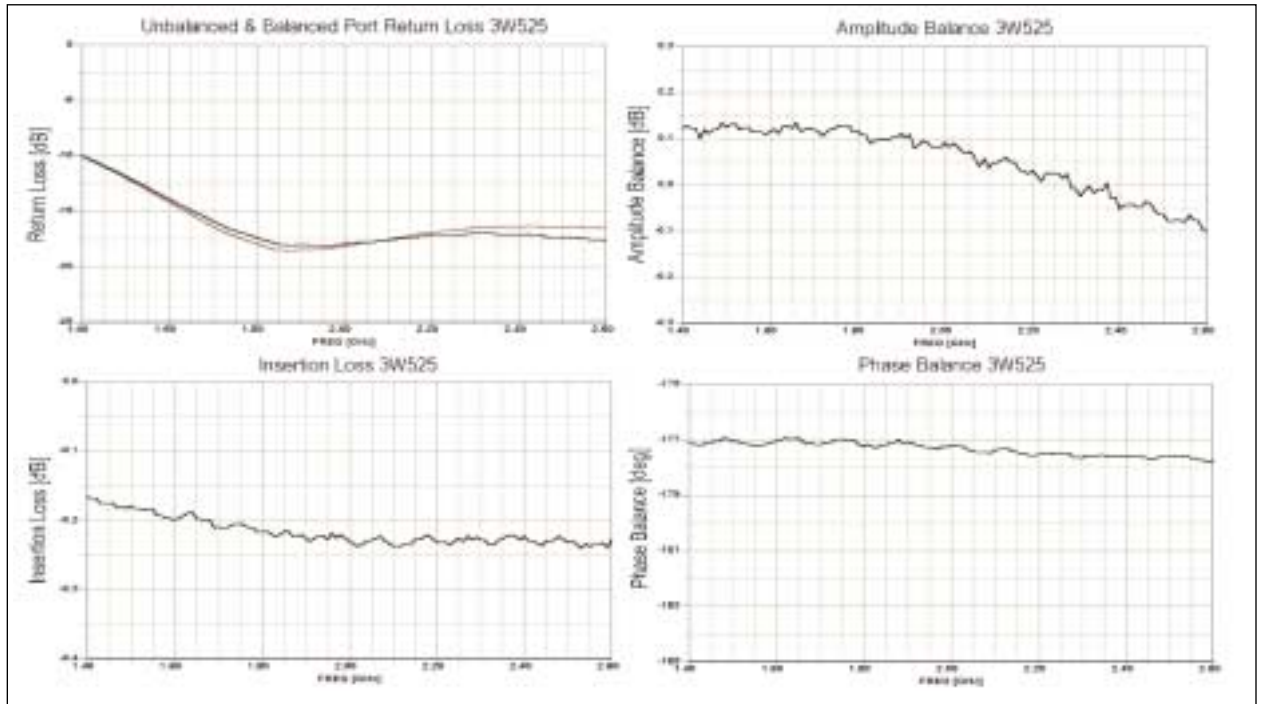
Available on Tape and Reel for Pick and Place Manufacturing.

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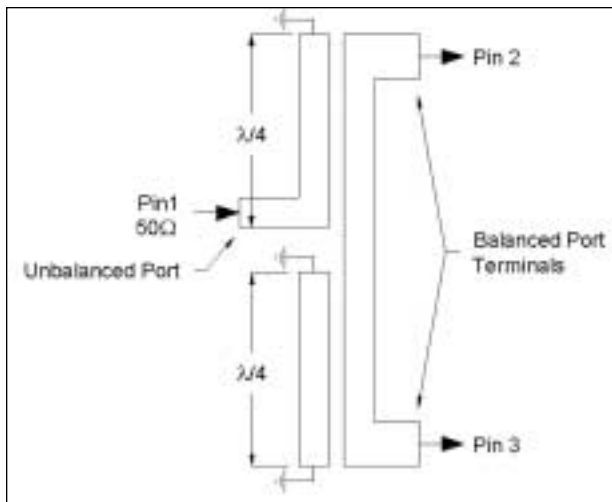
Model 3W525



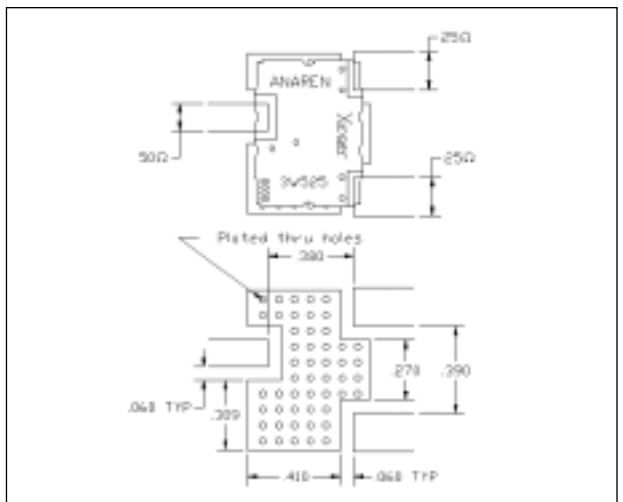
Typical Performance



Pin Configuration



Mounting Footprint



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