

Balun Transformers

Description

The 3A325 is a low profile balanced to unbalanced transformer in an easy to use surface mount package covering TV broadcast applications. The 3A325 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

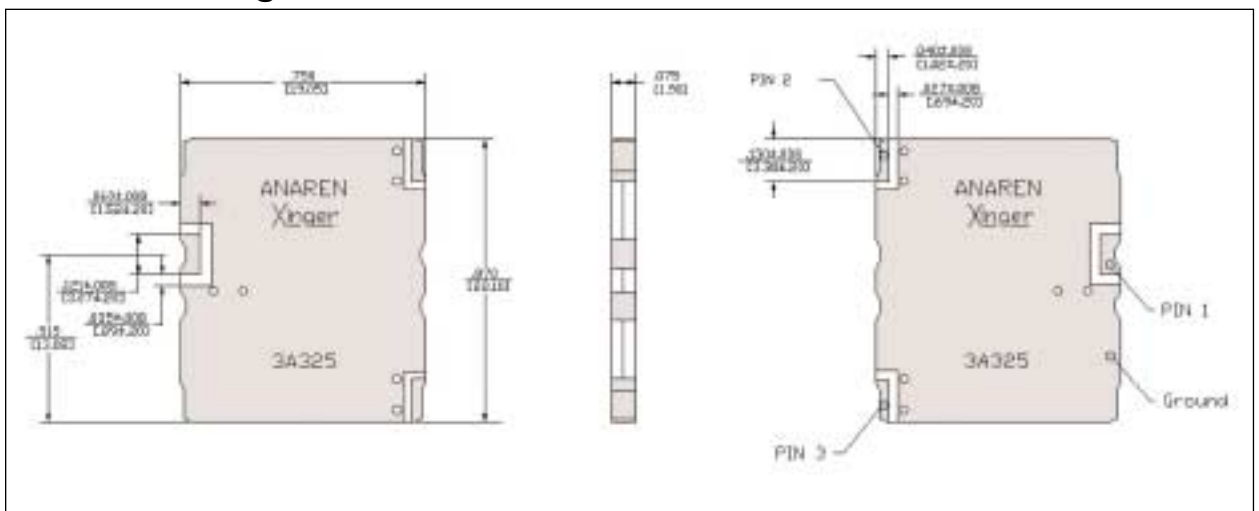
- 470 - 860 MHz
- 25Ω Balanced Port Impedance
- Low Insertion Loss
- High Power
- Input to Output DC Isolation
- Surface Mountable
- Tape And Reel
- Convenient Package

Electrical Specifications

Frequency MHz	Port Impedance Unbalanced	Port Impedance Balanced to Ground
470 - 860	50Ω	25Ω
Return Loss dB Min	Amplitude Bal. dB (p-p)	Phase Balance degrees
10	0.40	180 ± 5.0
Insertion Loss dB Max	Θ _{JC} °C/diss. Watt	Power Watts Ave/CW
0.35	4.4	275

Specifications subject to change without notice.

Outline Drawing



Available on Tape and Reel for Pick and Place Manufacturing.

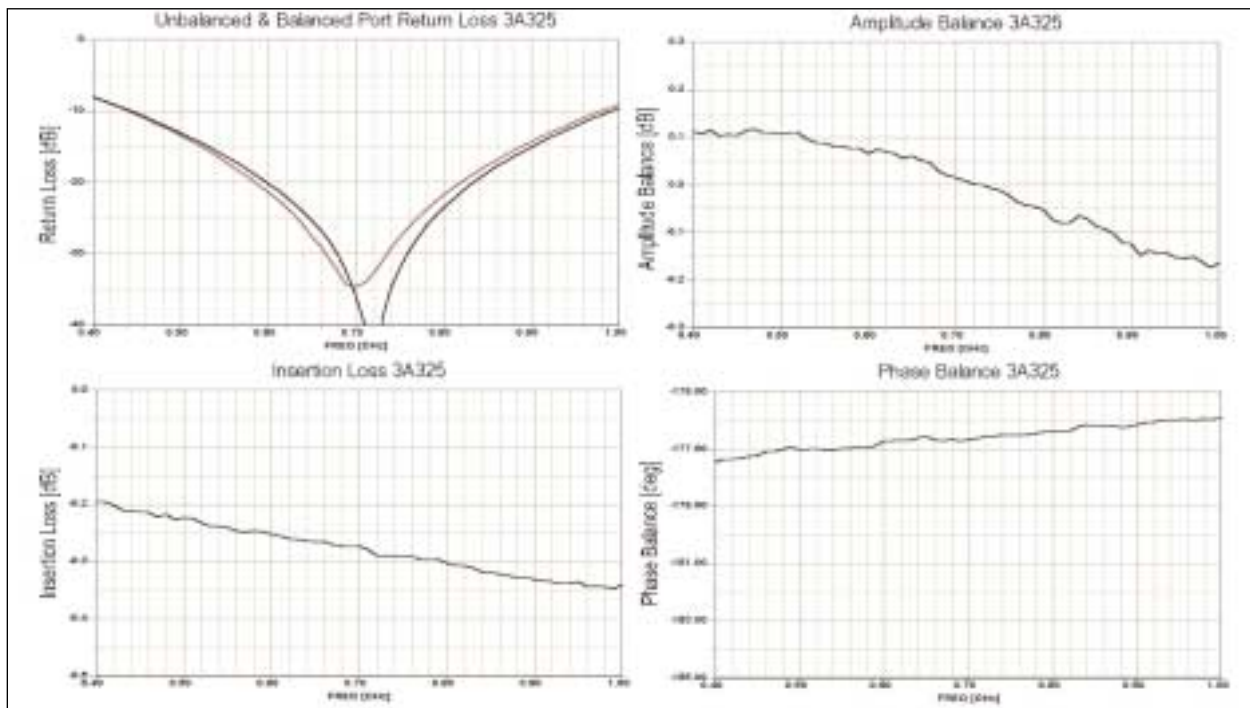
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Model 3A325

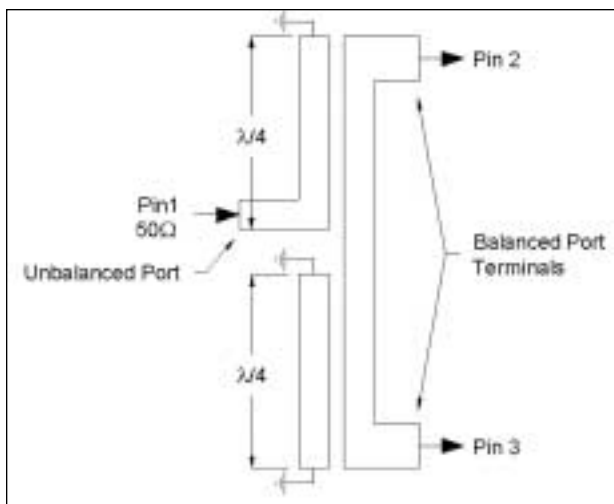
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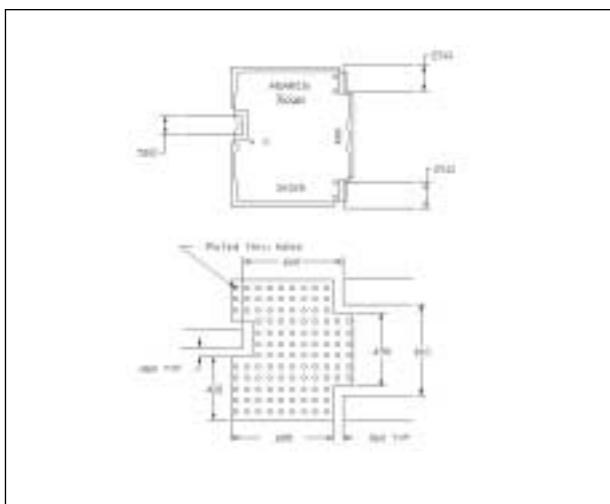
Typical Performance



Pin Configuration



Mounting Footprint



Available on Tape and Reel for Pick and Place Manufacturing.

