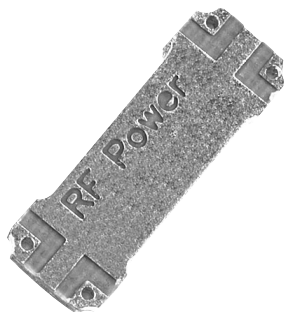


Hybrid Couplers



Description

The S03E2750N1 is a low profile 3 dB hybrid coupler in an easy to use miniature surface mount package for ISM, LMDS and wireless LAN applications. The S03E2750N1 is ideal for balanced amplifiers and signal distribution and is an ideal solution for the ever increasing demands of the wireless industry for smaller printed circuit boards. Parts have been run through rigorous qualifications and units are 100% tested. They are manufactured using materials with X and Y thermal expansion coefficients compatible with common substrates.

Features

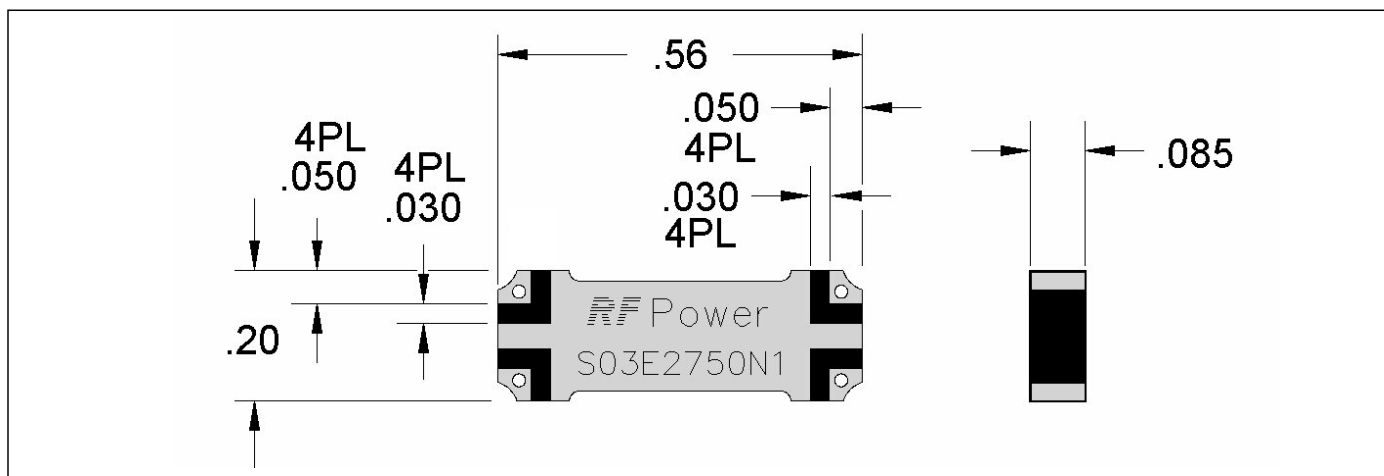
- 2.5 - 3.0 GHz
- 100 Watts
- Low Loss
- High Isolation
- 90° Quadrature
- Surface Mountable
- Tape and Reel
- Convenient Package
- 100% Tested

Electrical Specifications

Frequency <i>GHz</i>	Isolation <i>dB Min</i>	Insert. Loss <i>dB Max</i>	VSWR <i>Max: 1</i>
2.5 - 3.0	20	0.20	1.17
Amp. Bal. <i>dB Max</i>	Phase Bal. <i>Degrees Max</i>	Temp. <i>°C</i>	Power <i>Avg. CW Watts</i>
±0.20	4	-55 to +85	100

Specifications subject to change without notice.

Outline Drawing



VER. 2/7/02



Available on Tape and Reel for Pick and Place Manufacturing.

Sales Desk USA: Voice: (800) 544-2414 Fax: (315) 432-9121
Sales Desk Europe: Voice: (+44) 23 92 232392 Fax: (+44) 23 92 251369

Anaren
What'll we think of next?™

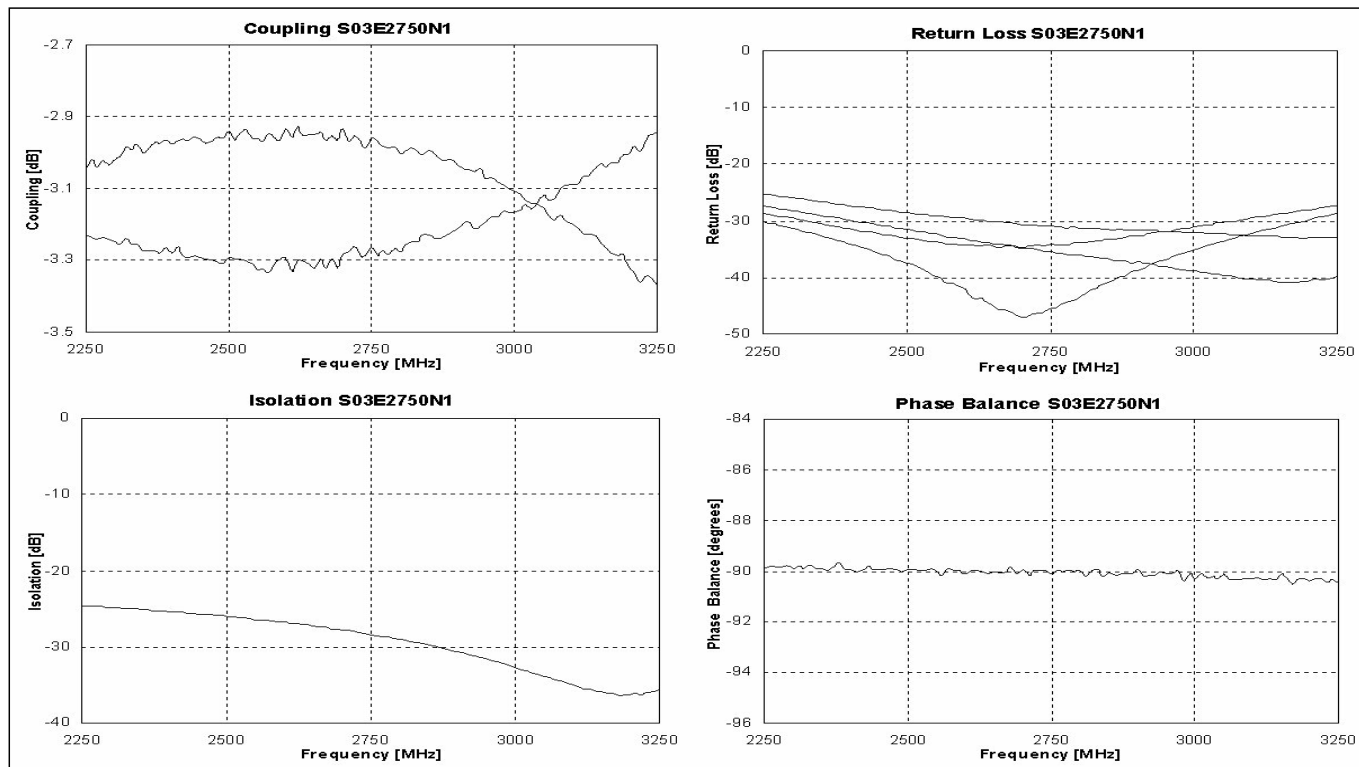
Model S03E2750N1

Anaren

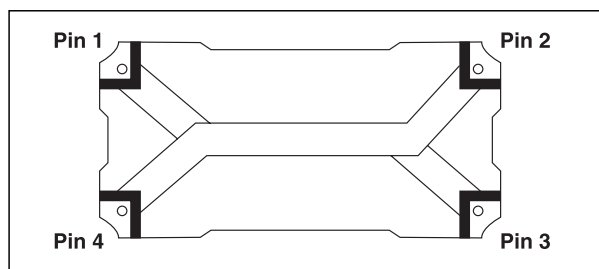
www.anaren.com

RF Power

Typical Performance

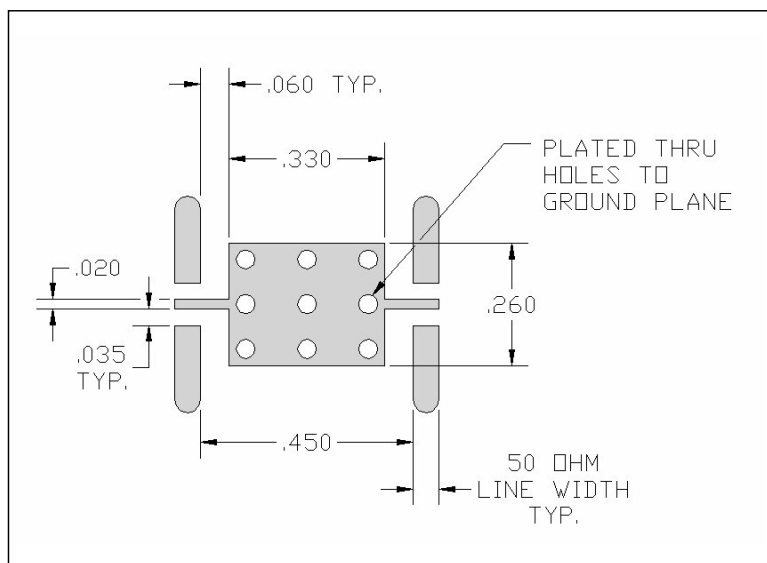


Pin Configuration



	Pin 1	Pin 2	Pin 3	Pin 4
#1	Input	Isolated	-3dB, -90°	-3dB, 0°
#2	Isolated	Input	-3dB, 0°	-3dB, -90°
#3	-3dB, -90°	-3dB, 0°	Input	Isolated
#4	-3dB, 0°	-3dB, -90°	Isolated	Input

Mounting Footprint



Available on Tape and Reel for Pick and Place Manufacturing.

