



Directional Couplers 25 dB



Description

The S25B880N3 is a low profile 25dB directional coupler in an easy to use surface mount package specifically designed for the applications within the 410 – 480MHz and 869 - 894MHz frequency bands. The S25B880N3 is ideal for balanced amplifiers and signal distribution and can be used in most high power designs. Parts have been subjected to rigorous qualification testing and units are 100% tested. They are manufactured using materials with X and Y thermal expansion coefficients compatible with common substrates such as FR4, G-10 and polyamide.

Features:

- 410 – 480 MHz
- 869 – 894 MHz
- 350 Watts
- Low loss
- High Directivity
- Surface Mountable
- Tape And Reel
- Convenient Package
- 100% Tested

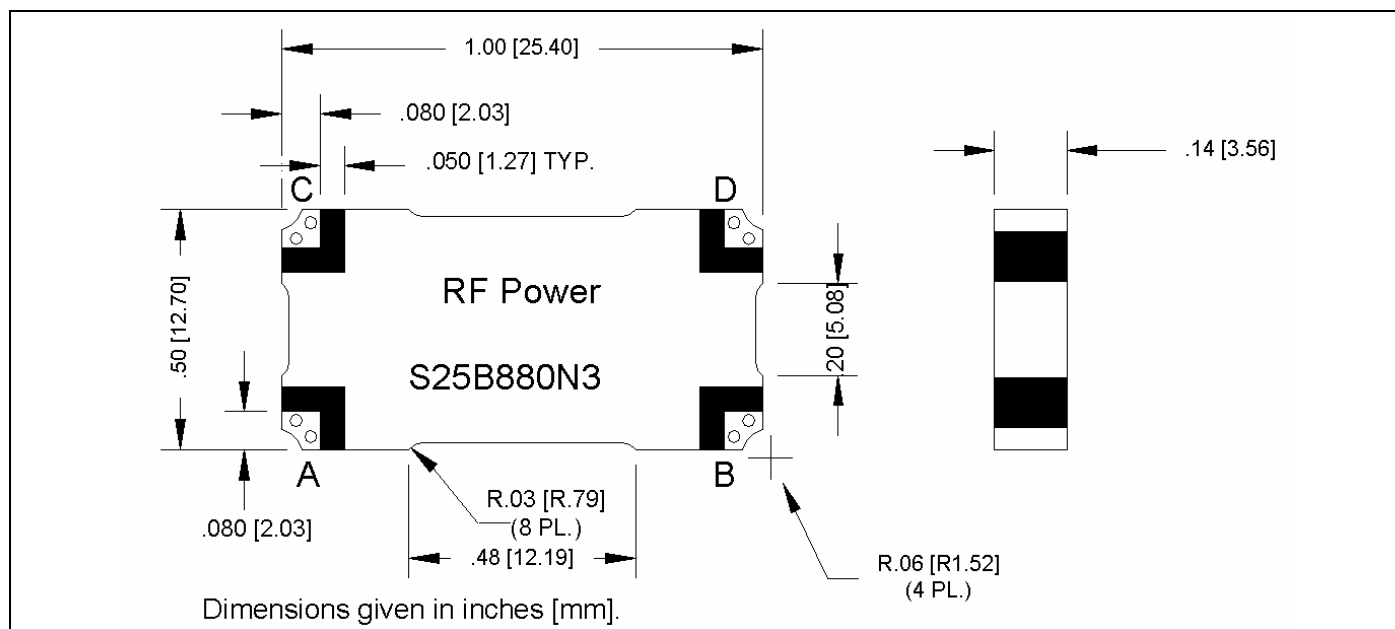
Electrical Specifications:

Frequency Band	Operating Frequency MHz	Mean Coupling dB Min	Insertion Loss dB Max	VSWR Max : 1
Low Broad	410 – 480	30.0 ± 2.0	0.10	1.20
Low Narrow	450 – 470	29.0 ± 2.0	0.10	1.20
High Narrow	869 – 894	25.0 ± 2.0	0.10	1.25

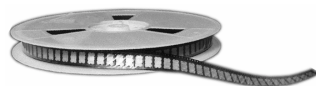
Frequency Band	Freq. Sensitivity dB Max	Directivity dB Min	Power Ave. CW Watts	Operating Temp. °C
Low Broad	± 0.75	20.0	350	-55 to +85
Low Narrow	± 0.30	20.0	350	-55 to +85
High Narrow	± 0.30	20.0	350	-55 to +85

Specifications subject to change without any notice.

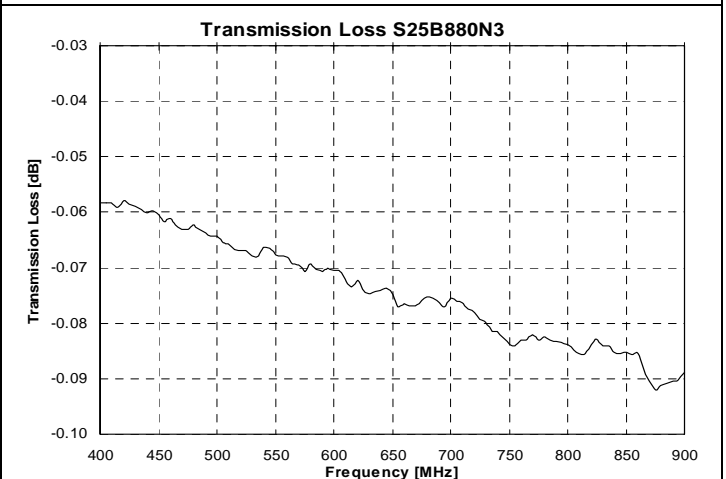
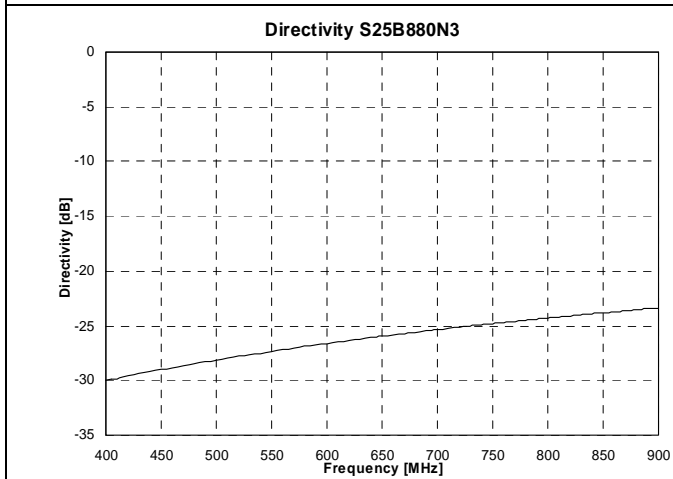
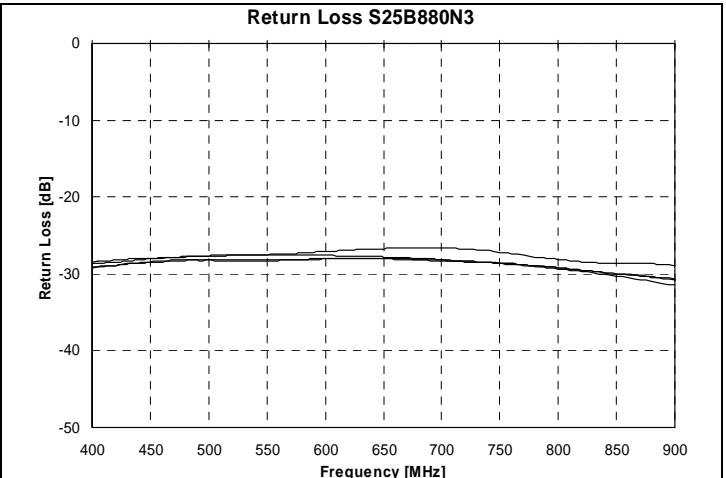
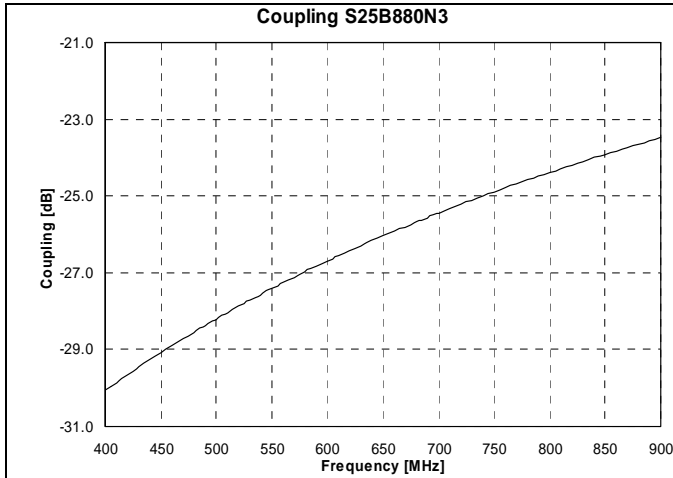
Outline Drawing:



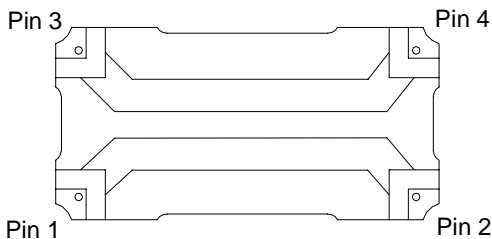
VER. 4/12/04



Typical Performance:

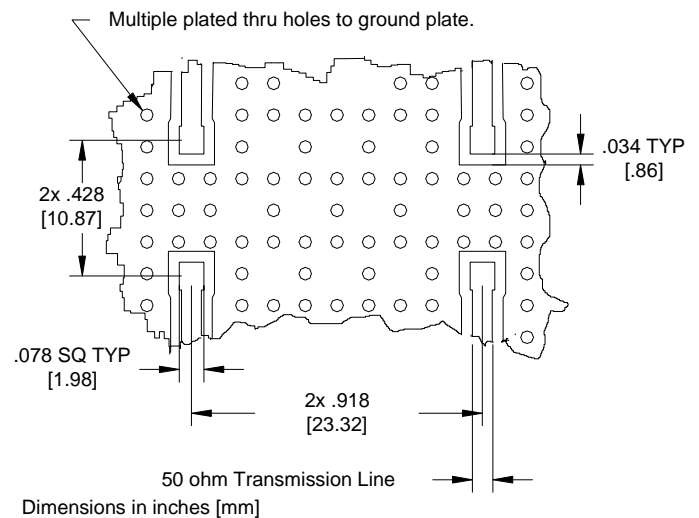


Pin Configuration



	Pin 1	Pin 2	Pin 3	Pin 4
#1	Input	Out	-25dB	Isolated
#2	Out	Input	Isolated	-25dB
#3	-25dB	Isolated	Input	Out
#4	Isolated	-25dB	Out	Input

Mounting Footprint



USA/Canada: (315) 432-8909
 Toll Free: (800) 544-2414
 Europe: +44 2392-232392

Available on Tape and Reel For Pick and Place Manufacturing.

