



**PRELIMINARY  
SPECIFICATION**



## CP0805 90° 3dB COUPLER 967MHz

ITF TECHNOLOGY

The ITF SMD 3dB 90° Coupler is based on thin-film multilayer technology. The technology provides a miniature part with excellent high frequency performance and rugged construction for reliable automatic assembly.

The ITF 3dB 90° Coupler will be offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

ELECTRICAL PARAMETERS:

Frequency $F_0$ :	967MHz
I. Loss @ $F_0$ :	0.3dB
I. Loss in band:	0.6dB
Phase Balance:	3° max.
Isolation:	21dB min.
Power:	5W RF CW

FEATURES:

- Miniature 0805 size
- Low I.Loss
- High Isolation
- Surface mountable
- Supplied on T&R

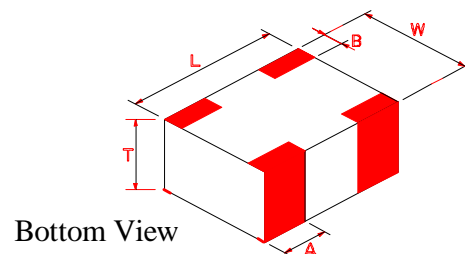
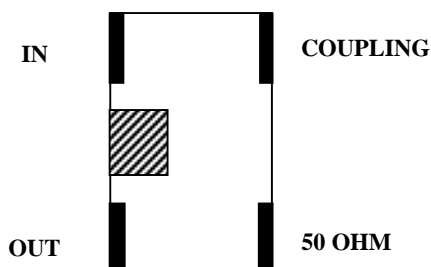
APPLICATIONS:

- Balanced Amplifiers and Signal Distribution in Mobile Communications

DIMENSIONS - mm (inches)

L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.95±0.15 (0.037±0.006)
A	0.56±0.25 (0.022 ±0.010)
B	0.35±0.15 (0.014±0.006)

TERMINALS  
(TOP VIEW)





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### 3dB 90° 0805 Coupler

FREQUENCY BAND [ MHz ]	COUPLING [ dB ]	I. Loss typ [ dB ]	R.Loss typ [ dB ]	Isolation min [ dB ]
867 ÷ 1067	3±1	0.3	22	21

### CP0805 3dB @ 967MHz

