

## DB0805A 3dB 90° COUPLER 2017 MHz DB0805A2017ASTR

### ITF TECHNOLOGY

The **DB0805A 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 SMD 3dB 90° Coupler will be offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

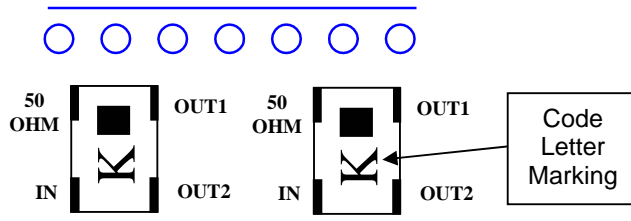
### FEATURES:

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

### APPLICATIONS:

- Balanced Amplifiers and Signal Distribution in Wireless Communications

### ORIENTATION IN TAPE



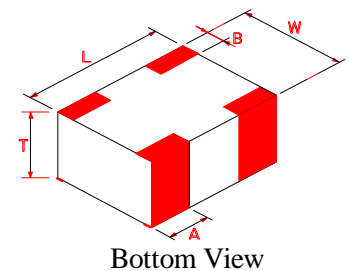
### ELECTRICAL PARAMETERS:

(Guaranteed over -40°C to +85°C Operating Temperature Range)

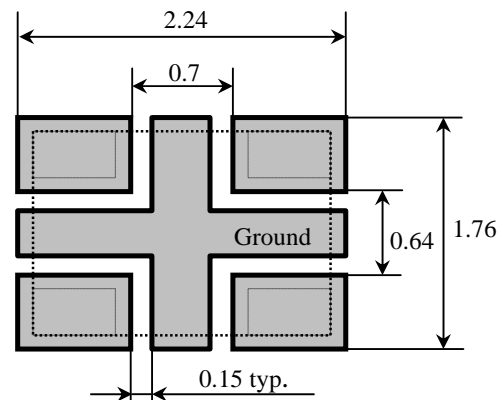
Parameter	Min.	Typ.	Max.	Unit
Frequency	2010		2025	MHz
Port Impedance		50		$\Omega$
Return Loss	12	26		dB
Isolation	12	17		dB
Insertion Loss		0.25	0.4	dB
Amplitude Balance		0.4	0.8	dB
Phase Balance (relative to 90°)		1	3	Degrees
Power Handling			5	Watts

### DIMENSIONS - mm (inches) (Bottom View)

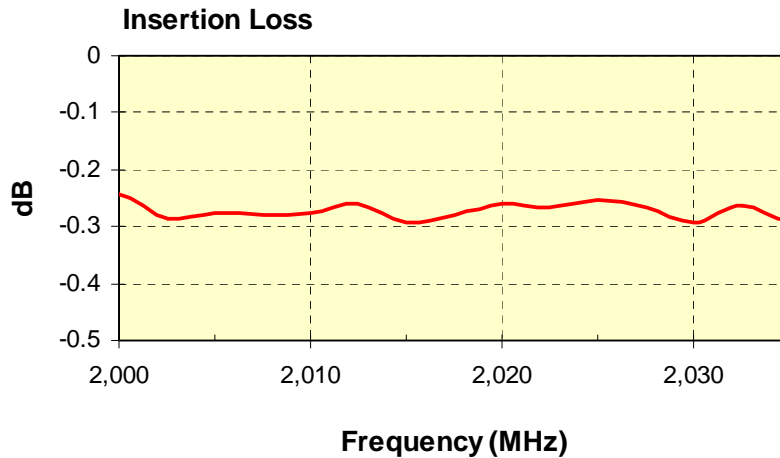
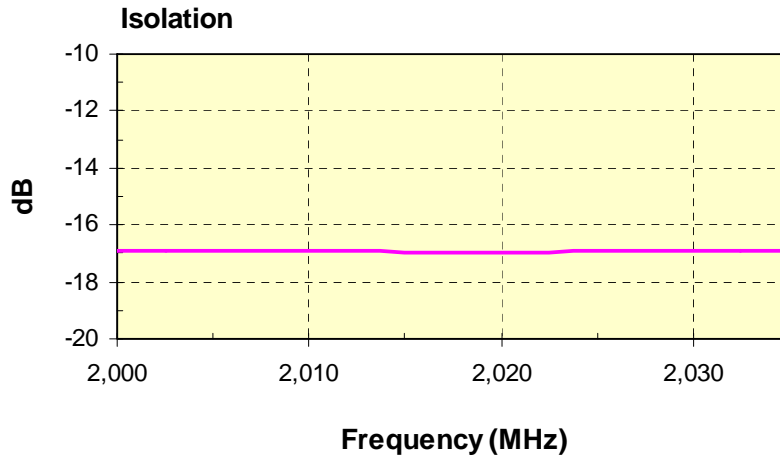
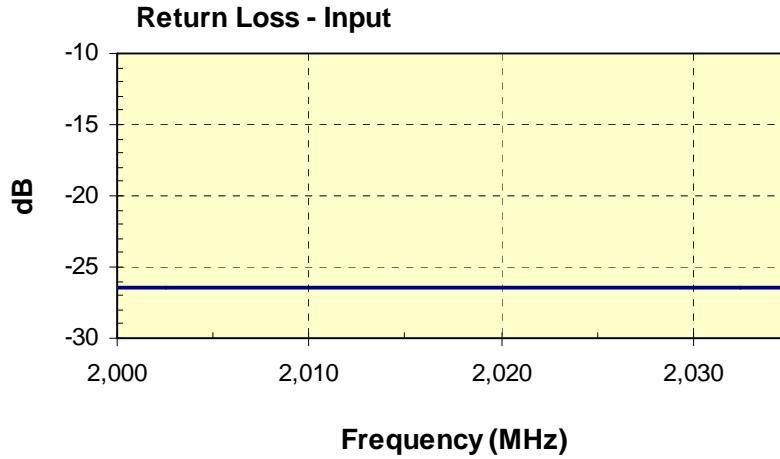
L	2.03±0.1 (0.080±0.004)
W	1.55±0.1 (0.061±0.004)
T	0.98±0.15 (0.037±0.006)
A	0.56±0.25 (0.022 ±0.010)
B	0.35±0.15 (0.014±0.006)



### RECOMMENDED PAD LAYOUT (mm)



**Typical Performance: 2010 MHz to 2025 MHz**





# PRODUCT SPECIFICATION

