



10 dB

Directional Couplers





Description:

The 11305-10 is a low profile 10dB directional coupler in an easy to use surface mount package covering 1.0 to 2.0 GHz. The 11305-10 is ideal for power and frequency detection as well as power injection 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.

Detailed Electrical Specifications:

Features:	Frequency	Mean Coupling	Insertion Loss	VSWR
• 1.0 – 2.0 GHz	GHz	dB	dB Max	Max : 1
Low LossHigh Directivity*	1.0 – 2.0	10.0 ± 0.8	0.35	1.22
 Surface Mountable Tape And Reel Convenient Package 	Freq. Sensitivity	Directivity	Power Handling	Operating Temp.
• 100% Tested	dB Max	dB Min	Avg. CW Watts @85°C	°C
	± 0.80	18	60	-55 to +150

**Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance. *Specifications subject to change without notice.

Side View

.071±.007

[1.80±0.18]

Outline Drawing:

Top View (Near-side) Pin 1



Array Number

Bottom View (Far-side)



Dimensions are in Inches [Millimeters] 11305-10 Rev A Mechanical Outline

Part Is Symmetric About All Axis

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Typical Performance: 1.0 GHz. to 2.0 GHz.



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Pin Configuration

Mounting Footprint



Contact us: rf&s_support@ttm.com

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