



PRODUCT SPECIFICATION



CP0302A5425ENTR High Directivity Lead-Free LGA Termination Directional Couplers

ITF TECHNOLOGY

The ITF High Directivity LGA 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 Coupler is offered in a variety of frequency bands compatible with various types of high frequency wireless systems.

APPLICATIONS:

- Mobile communications
- Satellite TV receivers
- GPS
- Vehicle location systems
- Wireless LAN's

Land Grid Array Advantages:

- Inherent Low Profile
- Self Alignment during Reflow
- Excellent Solderability
- Low Parasitics
- Better Heat Dissipation

PART NUMBER CODE:

CP 0302	X	XXXX	X	N	TR
	Type	Frequency (MHz)	Sub- Type	LGA Term. Sn100	Taped & Reeled

QUALITY INSPECTION :

Finished parts are 100% tested for electrical parameters and visual characteristics. Each production lot is evaluated on a sample basis for:

- Static Humidity: 85°C, 85% RH, 160 hours
- Endurance : 125°C, Ir, 4 hours

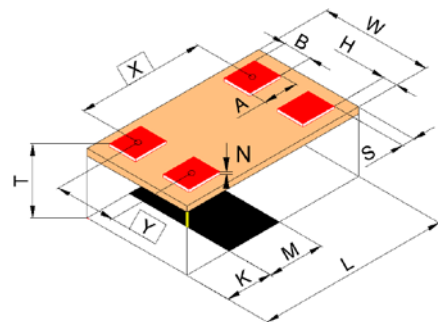
TERMINATION:

Nickel/Lead-Free Solder coating (Sn100) compatible with automatic soldering technologies: reflow, wave soldering, vapor phase and manual.

OPERATING TEMPERATURE:

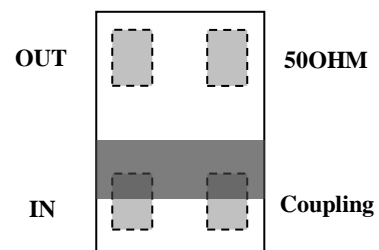
-40°C to +85°C

DIMENSIONS - mm (Bottom View)

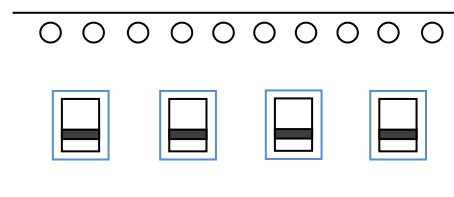


L	0.67±0.025	H	0.025±0.025
W	0.48±0.025	K	0.165
T	0.25±0.025	M	0.19
A	0.20±0.025	N	0.03±0.02
B	0.12±0.025	X	0.42
S	0.025±0.025	Y	0.31

TERMINALS (Top View)



ORIENTATION IN TAPE



Directional Coupler Type CP0302A5425ENTR

P/N	FREQUENCY [MHz]	COUPLING [dB]	I. Loss max. [dB]	R.Loss [dB]	Directivity [dB]
CP0302A5425ENTR	2,400-2,496	-20±1	-0.3	-30	20
	4,900-5,950	-13±1	-0.4	-25	20

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