

General Description

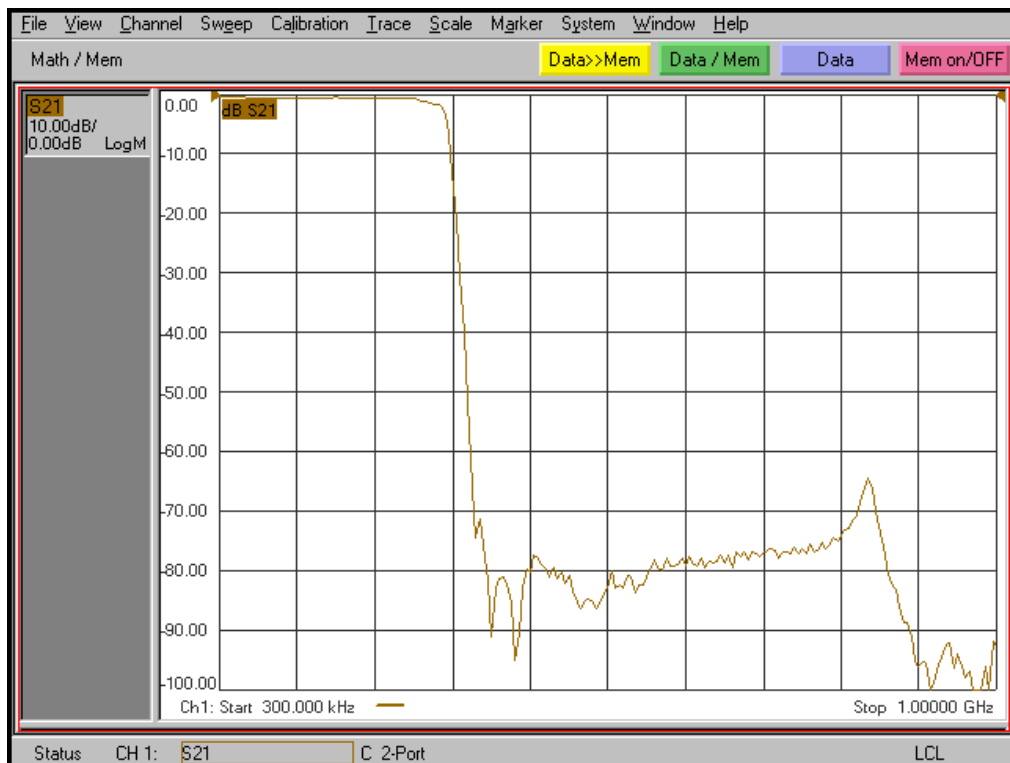
KR Electronics part number 3086 is a 250 MHz group delay equalized lowpass filter. The filter attains over 60 dB attenuation by 330 MHz. Other bandwidths are available. Please consult the factory.

Features

- 250 MHz Lowpass Filter
- Sharp Elliptic Type Design
- Group Delay Equalized
- 60 dB min Attenuation at 330 MHz
- 50 Ω Source and Load
- Surface mount
- Also available with SMA Connectors

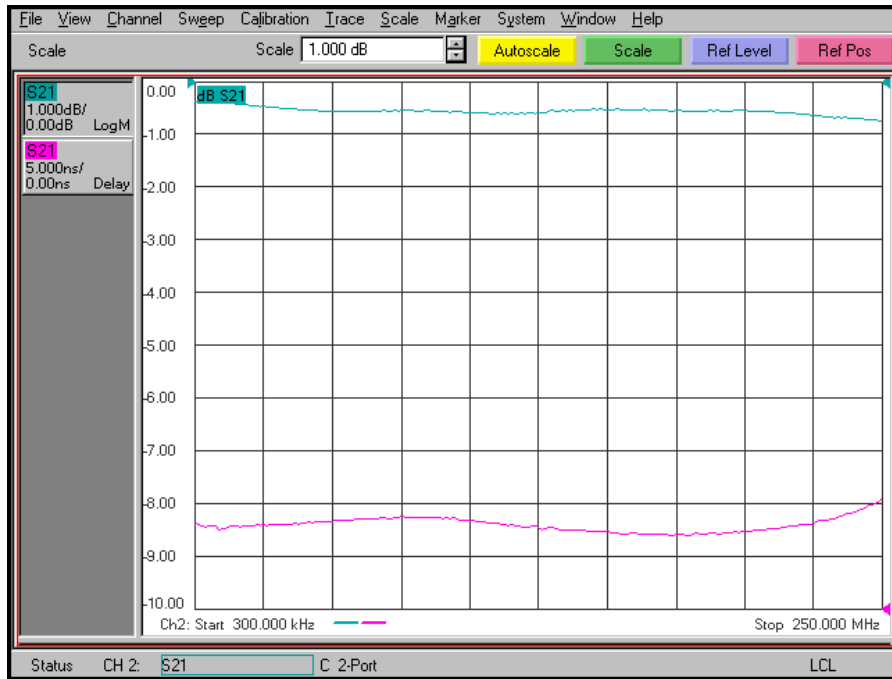
Typical Performance

Overall Response (10 dB/div)

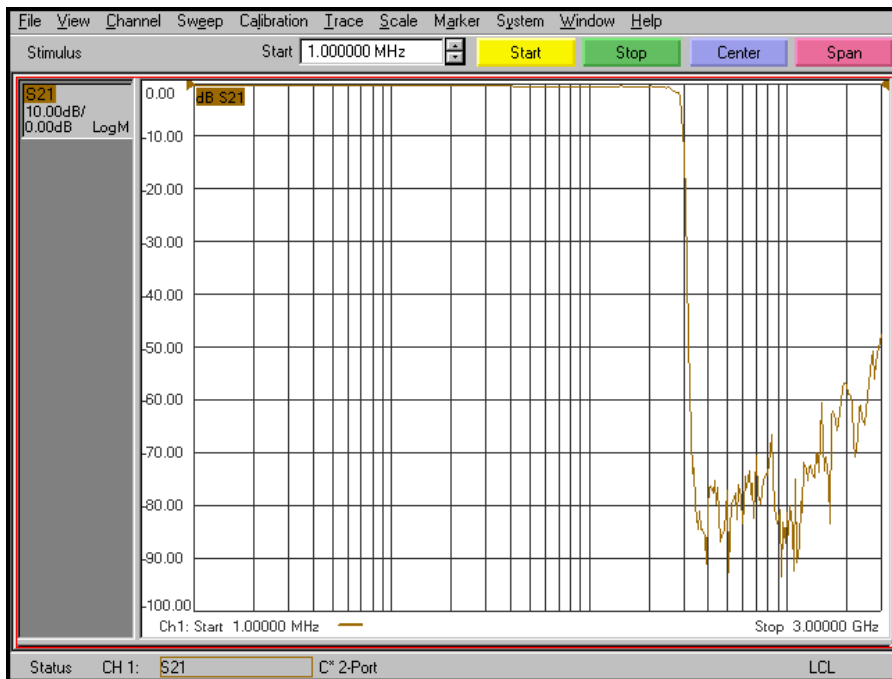


KR Electronics 3086

Passband Amplitude & Group Delay (1 dB/div & 5 nsec/div)



Overall Response (10 dB/div)



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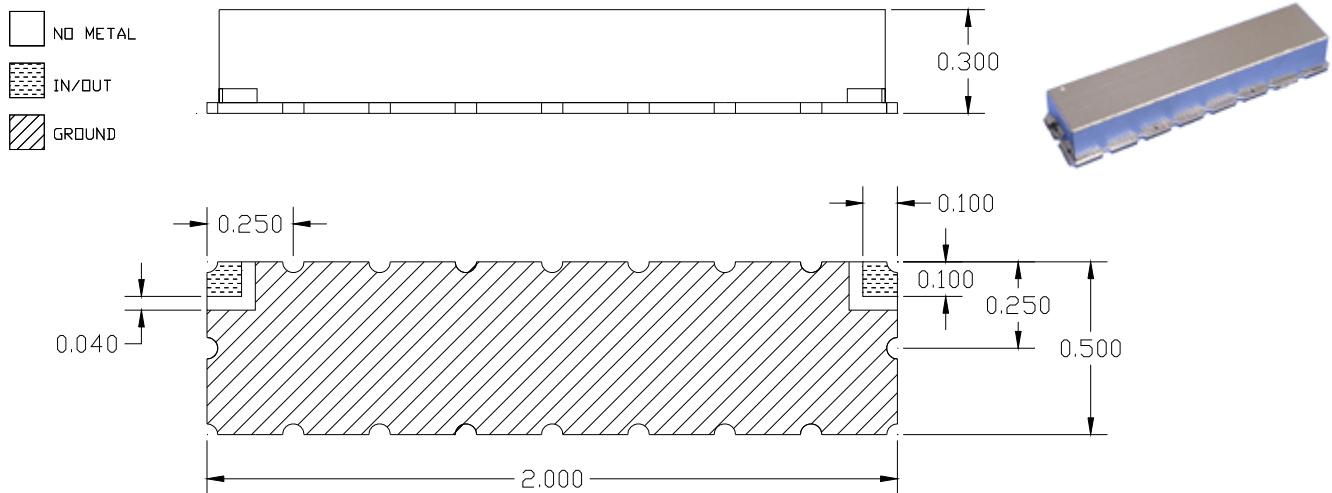
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KR Electronics 3086

Specifications

Parameter	Specification	
Filter type	Lowpass	
Insertion Loss at 1 MHz	1 dB max	0.5 dB typical
Passband Flatness to 250 MHz	1 dB max	0.5 dB typical
Attenuation 330 MHz to 1 GHz	60 dB min	
Group Delay Variation to 250 MHz	7.5 nsec max	3.5 nsec typical
In/Out Return Loss to 250 MHz	14 dB min	
Source and Load	50 Ω	

Physical Dimensions



Notes:

1. Surface mount package, metal cover
2. Dimensions in inches
3. Max reflow temperature 215° C for 10 sec
4. If boards are cleaned after installation units must be completely dried
5. Can also be supplied in metal case with SMA connectors

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