

General Description

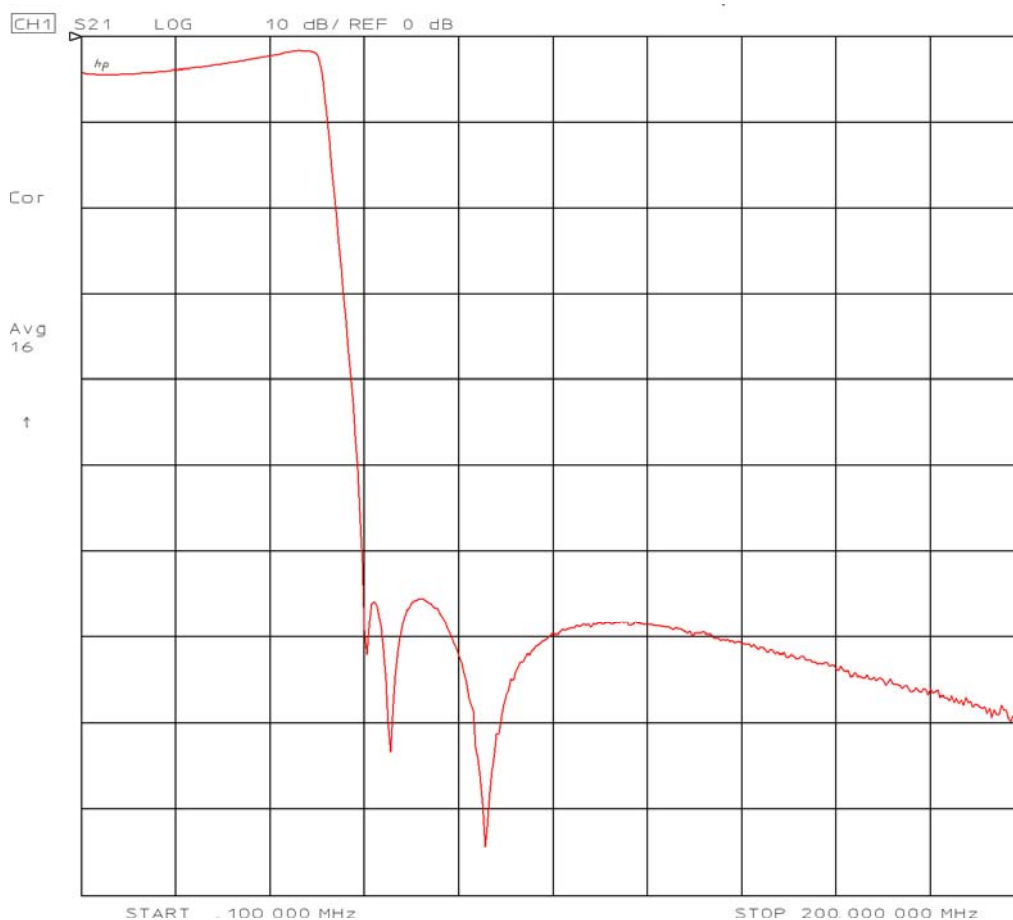
KR Electronics part number 2455-SMD is a 45 MHz lowpass filter. The filter attains over 60 dB rejection by 60 MHz. Other bandwidths available. Please consult the factory.

Features

- 45 MHz Lowpass
- Selective Elliptic Response
- Group Delay Equalized
- Sin(x)/x Correction
- 60 dB Stopband Rejection
- 50 Ω Source and Load
- Surface Mount

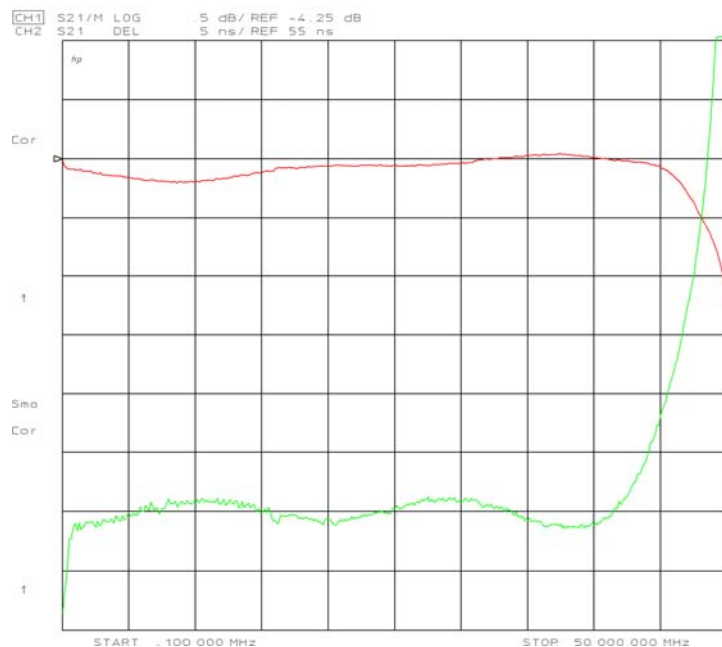
Typical Performance

Overall Response

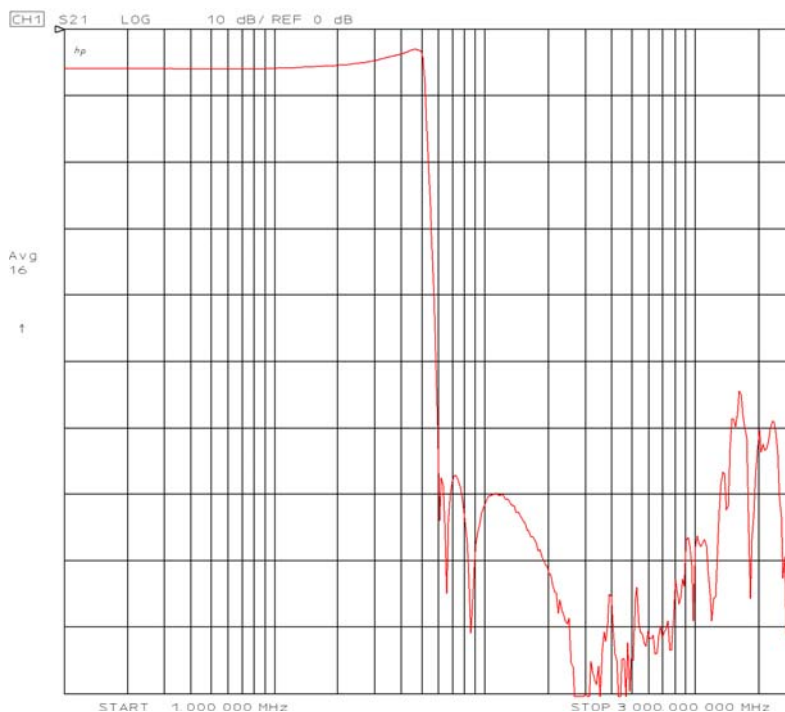


Typical Performance

Effective Passband Amplitude & Group Delay (0.5 dB/div & 5 nsec/div)



Overall Response to 3000 MHz (10 dB/div)

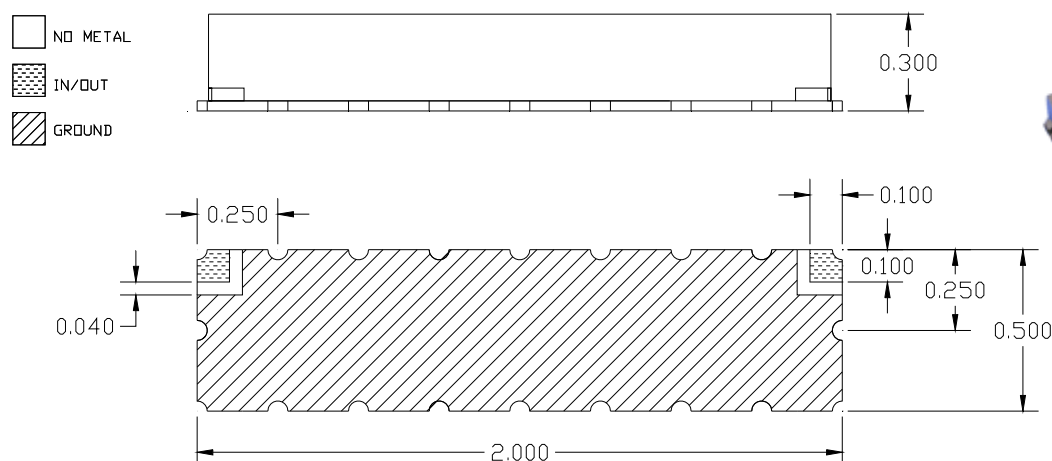


KR Electronics 2455-SMD

Specifications

Parameter	Specification
Filter type	Lowpass
End of Passband	45 MHz
Effective Passband Ripple	0.5 dB p-p max With Sin(x)/x Correction for 105 MHz Can also be supplied without Sin(x)/x Correction
Passband Group Delay Ripple	10 nsec max
Stopband Rejection 60 MHz to 1000 MHz	60 dB min
Source and Load	50 Ω

Physical Dimensions



Notes:

1. Surface mount package
2. Dimensions in inches
3. Max reflow temperature 230° C for 10 sec
4. If boards are cleaned after installation units must be completely dried

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