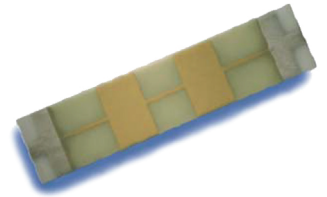


## Thick Film Low Pass Filter

The 6GHz IMF 2345 low pass filters have been successfully tested to effective input power levels exceeding 15W without any thermal management. Part-to-part performance repeatability is excellent in high or low volumes, as these are of planar design using high conductivity thick film metals.

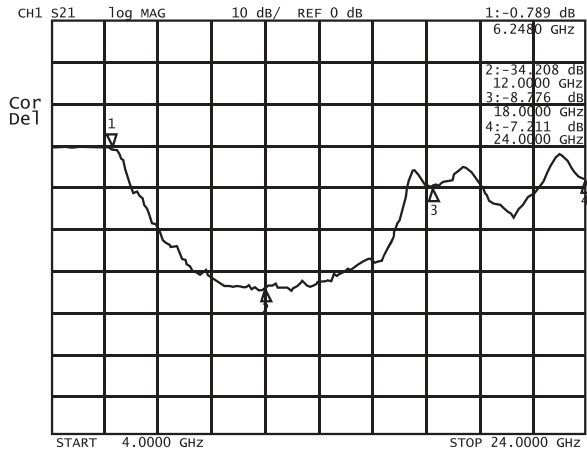


## FEATURES

IMF2345	SPECIFICATION
Passband:	up to 6GHz
Rejection:	20dB min from 8GHz to 16GHz
VSWR <sup>1</sup> :	1.1:1
Insertion Loss:	0.5 dB or better
Dimensions:	.553" x .123" x .025" max
Input Power Rating:	15W with a 100°C baseplate
50Ω Solderable Connections:	Pt/Ag terms and backplane
Operating Temperature:	-55 to +125

1. .01dB Passband ripple design

### IMF 2345 Frequency Response



To the left is an example of a LPF that was designed for a specific customer application.

The curve illustrates the performance of the IMF2345 filter in a matched 50Ω alumina system. Characteristics were determined by the filter requirements submitted by the customer.

The actual curve for other semicustom LPFs will vary and will be determined by customer requirements and will be furnished with the first article delivery.