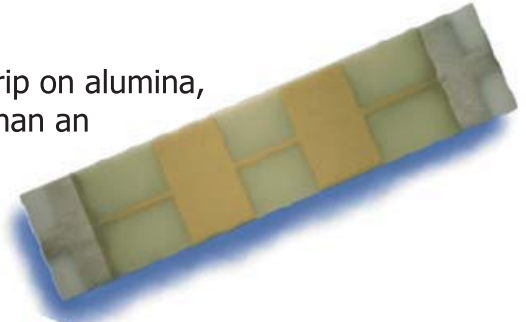


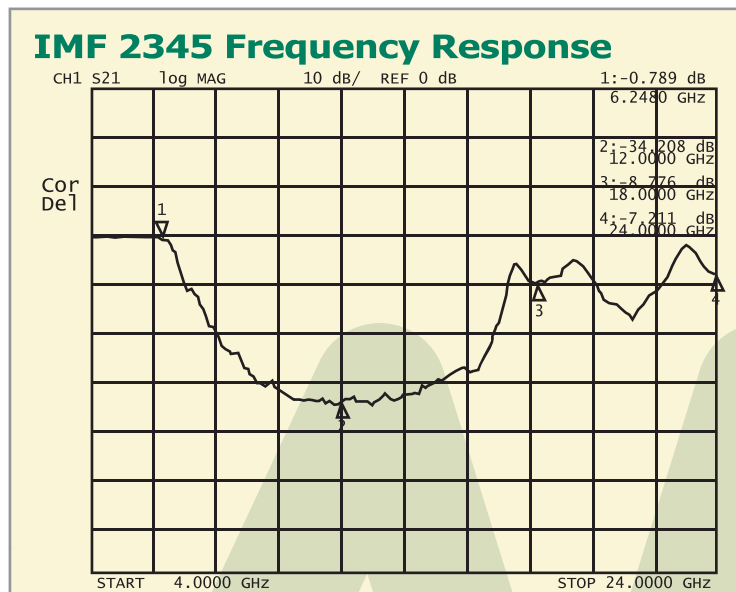
IMF Series 6 GHz Thick Film Low Pass Filter

The **ims** IMF Series low pass filters (LPF) are designed for engineers who need a harmonic filter of robust and precision design. The 6 GHz **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.

Circuit construction is surface mountable microstrip on alumina, enabling higher performance and higher power than an equivalent off-the-shelf packaged device. Tooling costs are minimal. Customer requirements can be combined with the core design that will optimize filter performance to its host circuit.



Shown below is an example of a LPF that was designed for a specific customer application. Contact **ims** today and let us show you how we can help you reach your design goals.



This curve illustrates the performance of the **IMF 2345** filter in a matched 50 Ohm 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.

IMF 2345 Specifications

Passband:	up to 6 GHz
Rejection:	20 dB min from 8 GHz to 16 GHz
Size:	.553" x .123" x .025"
Insertion Loss:	0.5 dB or better
VSWR:	1.1:1
Power Capacity:	15W with 100 deg. C baseplate
Terminals:	Pt/Ag terms and backplane
0.01 dB passband ripple design	50 Ohm Connections

6 GHz
Passband

<.5dB
Insertion Loss

15W
Power Handling

50Ω
Connections

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Specifications Subject to Change Without Notice