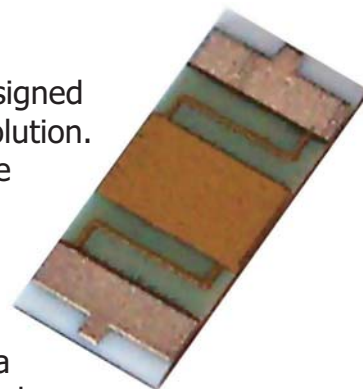


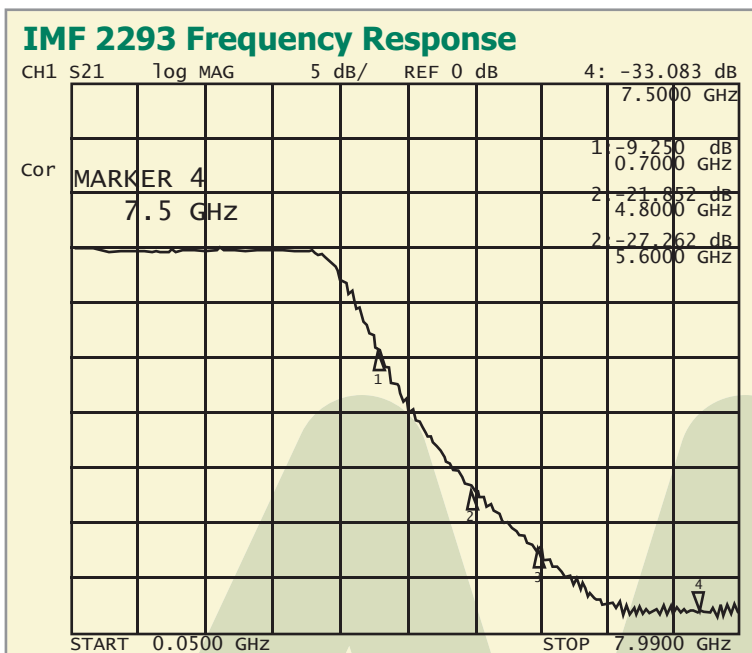
IMF Series Thick Film S-band Low Pass Filter

The **ims** IMF Series low pass filters (LPF) are for engineers who need a harmonic filter of robust and precision design. These filters have been successfully tested to input power levels exceeding 20W. Part-to-part performance repeatability is excellent in high or low volumes.

The low pass filter delivers the performance of a custom designed filter, but with price and delivery closer to an off-the-shelf solution. Circuit construction is lumped/ distributed surface mountable microstrip on alumina, enabling higher performance and higher power than an equivalent off-the-shelf packaged device. Tooling costs are minimal.



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.



The curve to the left illustrates the performance of the **IMF 2293** 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 first article delivery.

IMF 2293 Electrical Specifications

Passband:	up to 2.5 GHz
2nd, 3rd harmonic rejection:	25dB min.
Size:	.442" X .184" X .025"
Insertion Loss:	0.4dB or better
VSWR:	1.1:1
Power Capacity:	10W with 100 deg. C. baseplate
50 Ω Solderable Connections	
.01dB Passband Ripple Design	

2.5GHz
Cutoff

<0.4dB
Insertion Loss

25dB
Rejection



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Specifications Subject to Change Without Notice