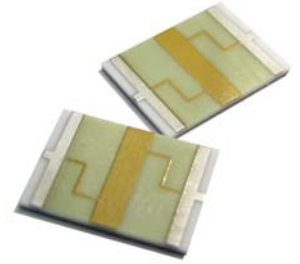


IMF Series Thick Film S-band Low Pass Filter

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.

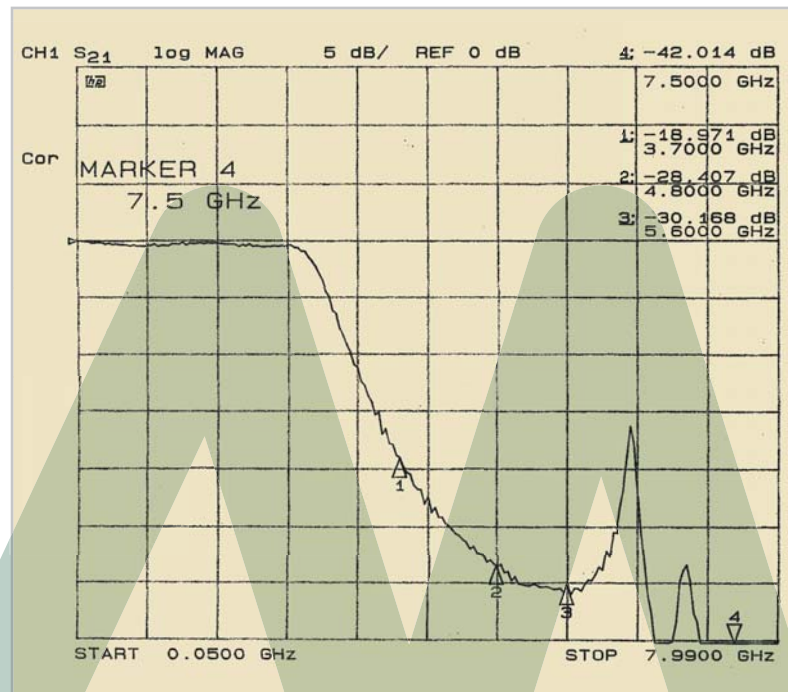


The low pass filter delivers the performance of a custom designed filter, but with the price and delivery closer to an off-the-shelf solution. Circuit construction is lumped/ distributed surface mountable microstrip on alumina, enabling higher performance and higher power handling than an equivalent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

IMF2292 Electronic Specification

Passband:	up to 2.5GHz
2nd, 3rd harmonic rejection:	25dB minimum
Dimensions:	0.444" X 0.324" X 0.035" max.
Insertion Loss:	0.4dB or better
VSWR:	1.1:1 by design*
Input power rating:	20W with a 100 deg. C. baseplate
50Ω Solderable connections	
*.01dB Passband ripple design	

The curve below illustrates the performance of the IMF2292 filter in a matched 50Ω alumina system.



2.5GHz
Cutoff

<0.4dB
Insertion Loss

25dB
Rejection

20W
Rated Power

IMF2292 is one example of **ims'** low pass filter design capabilities. IMS is able to design a low pass filter meeting your passband, rejection and insertion loss specifications. Contact **ims** today and let us show you how we can help you reach your design goals.

impossible made simple