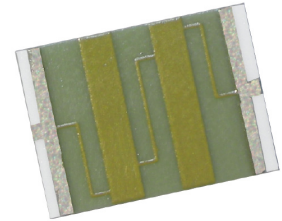


IMF Series 2.5 GHz

ims

Thick Film S-Band Low Pass Filter

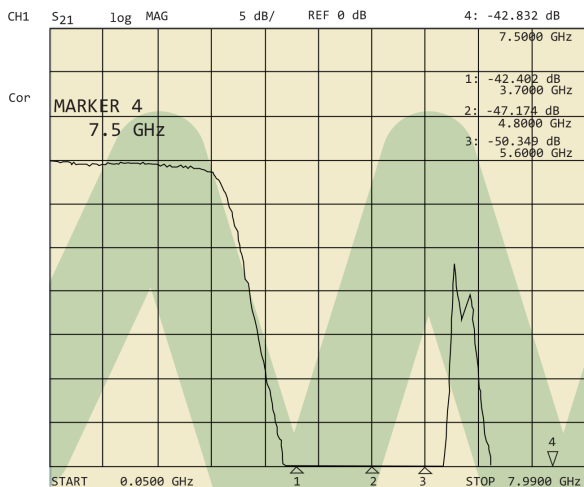
The **ims** IMF Series low pass filters (LPF) are for engineers who need a harmonic filter of robust and precision design. These filters have been successfully tested to input power levels exceeding 20W. Part-to-part performance repeatability is excellent in high or low volumes.



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

IMF2345	Specification
Passband:	up to 2.5 GHz
2nd, 4rd Harmonic Rejection:	46dB typical
Dimensions:	0.444" x 0.324" x 0.035" max
Insertion Loss:	0.8 dB or better
VSWR:	1.1:1 by design*
Input Power Rating:	20W with 100 deg. C baseplate
50Ω Solderable connections:	Pt/Ag terms and backplane

*.01dB Passband ripple design



The curve illustrates the performance of the IMF2295 filter in a matched 50Ω alumina system.

IMF2295 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.

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