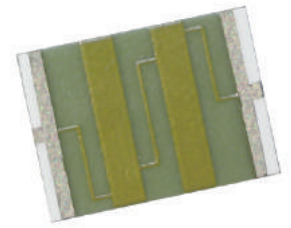


Thick Film Low Pass Filter

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.

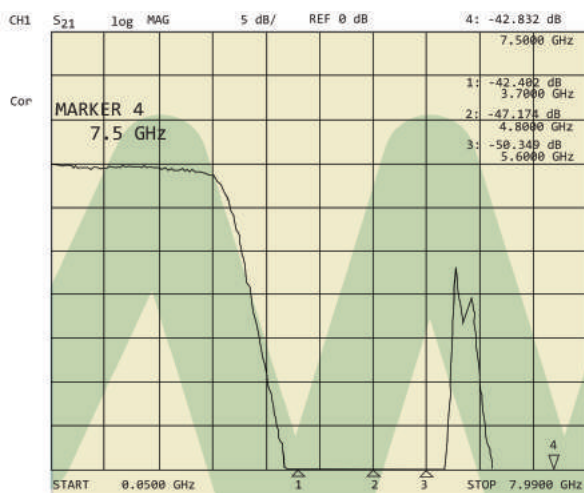


The low pass filter delivers the performance of a custom designed filter, but with the price and delivery closer to an off-the-shelf solution. Circuit construction is lumped/distributed surface mountable microstrip on alumina, enabling higher performance and higher power handling than an equivalent off-the-shelf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

FEATURES

IMF2295	SPECIFICATION
Passband:	up to 2.5 GHz
2nd, 4th Harmonic Rejection:	46dB typical
VSWR ¹ :	1.1:1 by design
Insertion Loss:	0.8 dB or better
Dimensions:	.444" x .324" x .035" max
Input Power Rating:	20W with a 100°C baseplate
50Ω Solderable Connections:	Pt/Ag terms and backplane

1. .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.