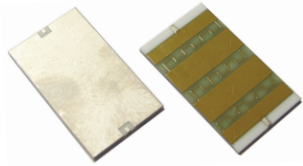


IMS

IMF Series Thick Film UHF Low Pass Filter



These filters have been successfully tested to input power levels exceeding 20W. Part-to-part performance repeatability is excellent in high or low volumes.

Circuit construction is lumped/ distributed surface mountable microstrip on alumina, enabling higher performance and higher power handling than an off-the-shelf packaged device or lumped element equivalent.

IMF2416 Specifications

Passband:	up to 960MHz
2nd harmonic rejection:	40dB minimum
Dimensions:	0.835" X 0.480" X 0.035" max.
Insertion Loss:	1.5dB or better below 930MHz
VSWR:	1.1:1 by design*
Input power rating:	20W with a 100 deg. C. baseplate
50Ω Solderable connections	
*.01dB Passband ripple design	

The curves below illustrates the performance of the IMF2416 filter in a matched 50Ω alumina system.

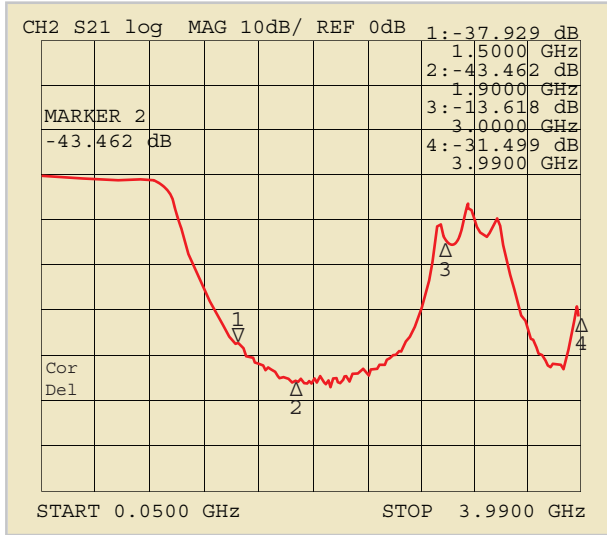
960MHz
Passband Edge

<1.5dB
Insertion Loss

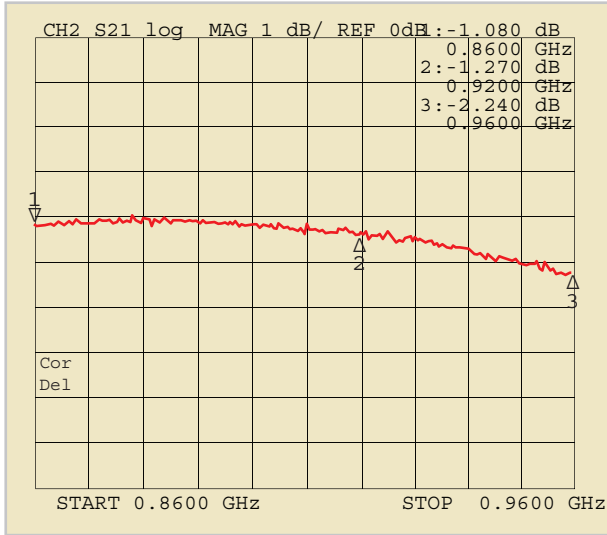
To
40dB
Rejection

20W
Rated Power

IMF2416 Rejection



IMF2416 Insertion Loss



IMS has developed many Microstrip Low Pass Filters with various passband edges from UHF to K Band. Levels of harmonic rejection and insertion loss can be tailored to your specifications.

See our website www.ims-resistors.com for other options or contact our factory with your requirements!

ims International Manufacturing Services, Inc.

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<http://www.ims-resistors.com>

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