










## EWF7601ZZ

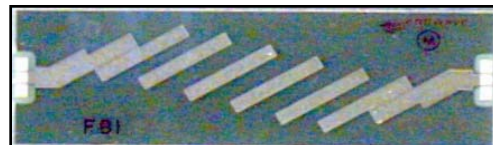
September 2009 – Rev 2

*Production*

### Features

-  Band Pass Performance: 71 to 76 GHz
-  Insertion Loss: 4 dB, typical
-  Return Loss: 16 dB, typical
-  Low Side Reject Band: Less than 67.8 GHz
-  High Side Reject Band: Greater than 78.5 GHz
-  Rejection: 20 dB, typical
-  Die size: 1.41 x 4.51 x 0.1mm
-  RoHS Compliant
-  MLMS™ Technology Provides Excellent Performance and Repeatability

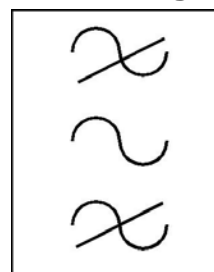
### Device Photo



### Description

The Endwave *EWF7601ZZ* is a high performance MLMS™ band pass filter which provides low insertion loss of 4 dB, good pass band return loss at better than 16 dB and excellent repeatability. Rejection of 20 dB typically occurs at 67.8 and 78.5 GHz due to the excellent line resolution of the MLMS™ process capability. This device can be used for a wide range of applications from defense electronics to commercial communication systems and is ideally used for E-band applications. All die are tested and visually inspected to Mil-Std-883 Method 2010.

### Block Diagram



### Electrical Characteristics (Temperature = +25 °C)

Parameter	Min.	Typ.	Max.	Units
Pass band Frequency	71		76	GHz
Insertion Loss		4		dB
Input & Output Return Loss		16		dB
Low Side Rejection Frequency Band			67.8	GHz
High Side Rejection Frequency Band	78.5			GHz
Rejection		20		dB

### Response vs. Frequency

