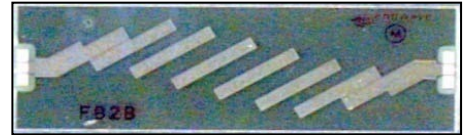


EWF8601ZZ

Features

- Pass Band Performance: 81 to 86 GHz
- Insertion Loss: 4 dB, typical
- Return Loss: 16 dB, typical
- Low Side Reject Band: Less than 76.2 GHz
- High Side Reject Band: Greater than 89.2 GHz
- Rejection: 20 dB
- Die size: 1.41 x 4.51 x 0.1 mm
- RoHS Compliant
- MLMS™ Technology Provides Excellent Performance and Repeatability

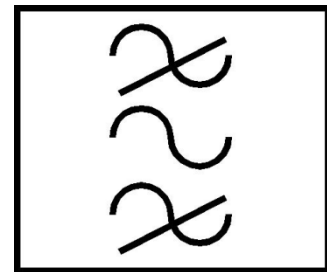
Device Photo



Description

The Endwave *EWF8601ZZ* 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 76.2 and 89.2 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.

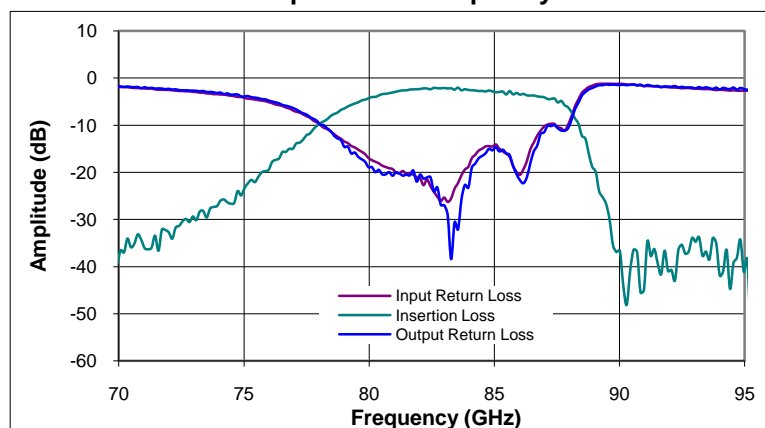
Block Diagram



Electrical Characteristics (Temperature = +25 °C)

Parameter	Min.	Typ.	Max.	Units
Pass band Frequency	81		86	GHz
Insertion Loss		4		dB
Input & Output Return Loss		16		dB
Low Side Rejection Frequency Band			76.2	GHz
High Side Rejection Frequency Band	89.2			GHz
Rejection		20		dB

Response vs. Frequency

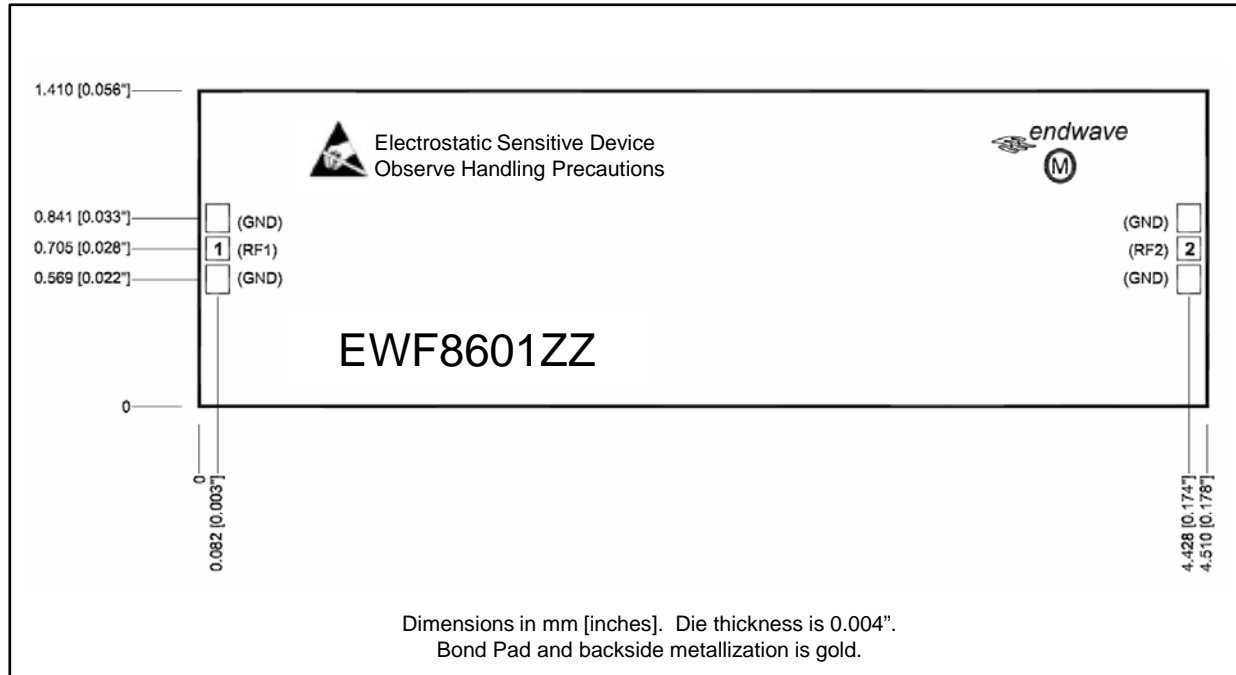


EWF8601ZZ

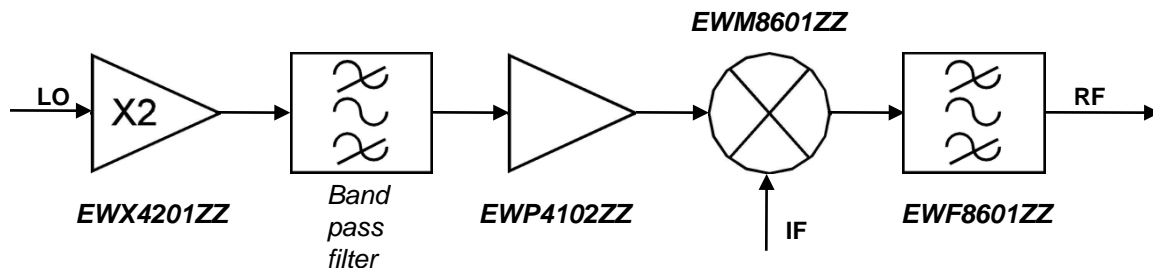
September 2009 – Rev 3

Production

Outline Drawing



Typical Application



Absolute Maximum Ratings

Storage Temperature	-65 to +150°C
Operating Temperature	-40 to +85°C

Support Documentation

Support documentation including Assembly Notes, Application Notes and Qualification Procedures can be found on our website at www.endwave.com.

Ordering Information

Part Number	Description
EWF8601ZZ	RoHS compliant bare die in wafer or gel packs