









## EWF2601AK

### Features

-  Band Pass Performance: 24.25 to 25.5 GHz
-  Insertion Loss: 3 dB, typical
-  Return Loss: 15 dB, typical
-  Low Side Reject Band: Less than 22 GHz
-  High Side Reject Band: Greater than 28 GHz
-  Rejection: 20 dB, typical
-  Package size: 7 x 7mm, 28 lead, QFN Air Cavity
-  RoHS Compliant

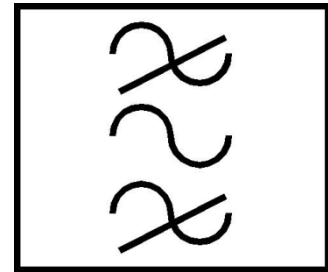
### Device Photo



### Description

Endwave's *EWF2601AK* is a band pass filter which provides very consistent rejection bands and achieves repeatable performance not otherwise achieved in fully SMT applications. Low insertion loss is 3 dB typical with pass band return loss typically 15 dB. The device can be used for a wide range of applications from defense electronics to commercial communication systems. All parts are tested and visually inspected to IPC-A-610.

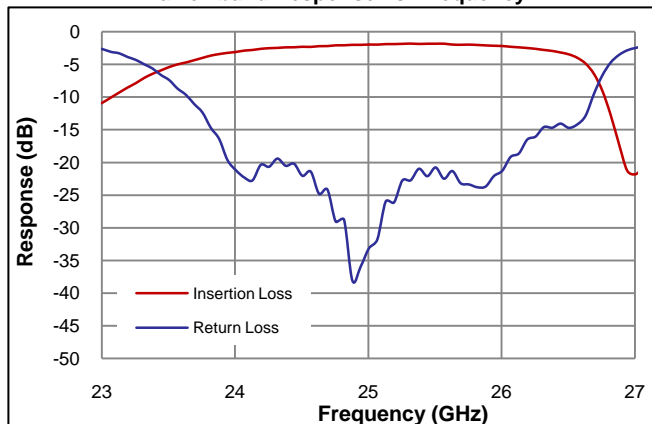
### Block Diagram



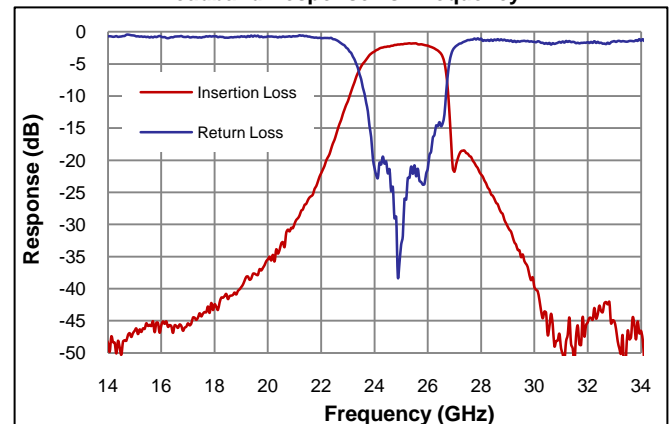
### Electrical Characteristics (Temperature = +25 °C)

Parameter	Min.	Typ.	Max.	Units
Pass Band Frequency	24.25		25.5	GHz
Insertion Loss		3	5	dB
Input & Output Return Loss	10	15		dB
Low Side Rejection Frequency Band			22	GHz
High Side Rejection Frequency Band	28			GHz
Rejection	15	20		dB

Narrowband Response vs. Frequency



Broadband Response vs. Frequency



## EWF2601AK

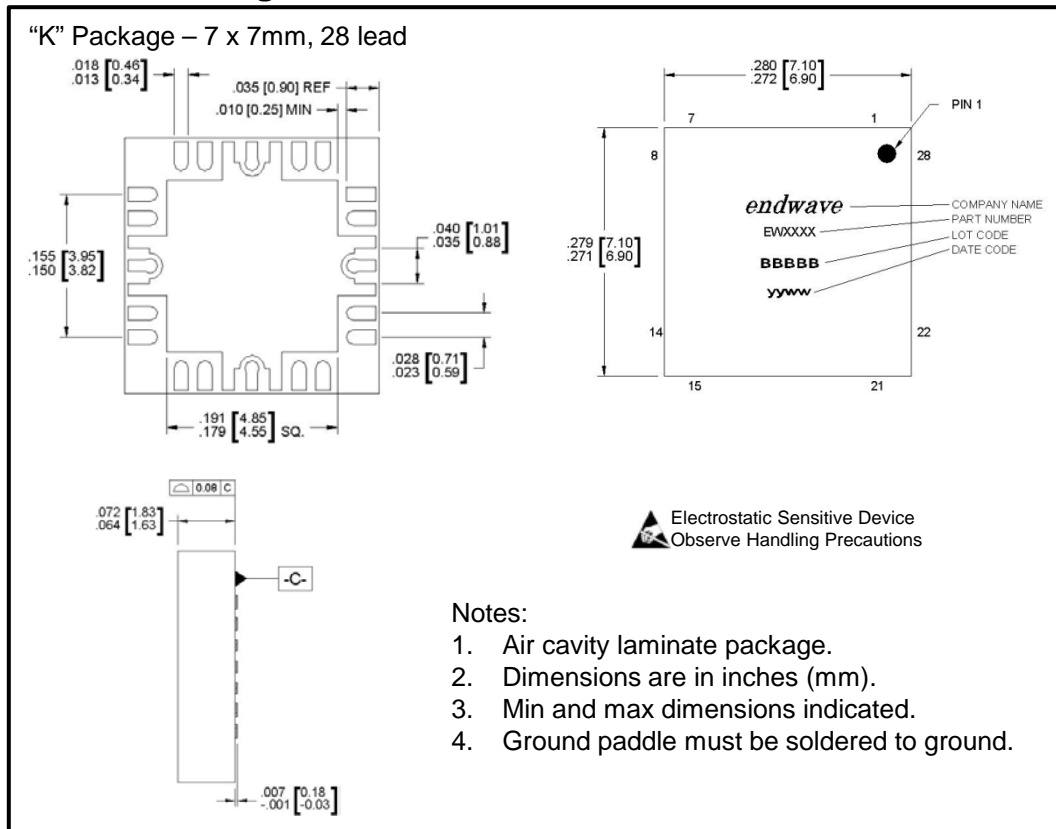
May 2010– Rev

*Preliminary*

### DC & RF Pinout

Pin Number	Function
11	RF In
25	RF Out
3, 5, 10, 12, 17, 19, 24, 26, paddle	Ground
1, 2, 4, 6-9, 13-16, 18, 20-23, 27, 28	No connection

### Outline Drawing



### 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](http://www.endwave.com).

### Ordering Information

Part Number	Description
EWF2601AK	RoHS compliant ,7 x 7mm, 28 lead, QFN "K" package