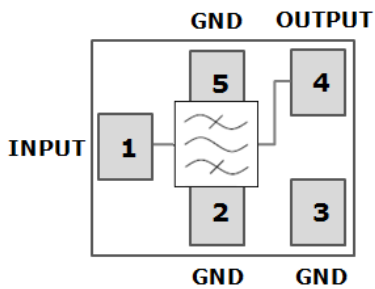


Description

The RSFP2313E is a surface-mountable, high-performance, low-loss, and low insertion loss LTE Band 40 filter. It is designed to provide excellent signal-to-noise ratio (SNR) and excellent out-of-band rejection. The filter is available in a standard 5-pin package with a 0.5mm pitch. The filter is designed to operate in the 2300~2400MHz frequency range. The filter is designed to provide excellent signal-to-noise ratio (SNR) and excellent out-of-band rejection. The filter is available in a standard 5-pin package with a 0.5mm pitch. The filter is designed to operate in the 2300~2400MHz frequency range.

Functional Block Diagram



Pin Connection

M -	E
0	H
3	N
1-4	F



Features

- Storage temperature range 9-40 to +150
- High performance, low loss, and low insertion loss
- Excellent signal-to-noise ratio (SNR) and excellent out-of-band rejection
- Standard 5-pin package with 0.5mm pitch
- Designed to operate in the 2300~2400MHz frequency range

Environmental

RoHS Compliant



Electrical Specifications

Parameter(Operable Temperature: -20 to +85°C)	Min	Typ ⁽¹⁾	Max ⁽²⁾	Unit
Insertion Loss 12// 13// L G (		0-/	1-/	A
Ripple 12// 13// L G (		/-3	0-/	A
VSWR Input 12// 13// L G (		0-1	0-4	
VSWR Output 12// 13// L G (		0-1	0-4	
Absolute Attenuation				
0/ 0463 L G	,12	,24		A
0463 0466 L G	,12	,14		A
0466 057/ L G	,11	,14		A
0734 077/ L G	,11	,13		A
100/ 106/ L G	,15	,2/		A
1310 1332 L G /4+07L G ,A (	,14	,44		A
1310 1332 L G /4+07L G ,A + 14 74 B(	,3/	,5/		A
1315 1337 L G /5+07L G ,A (	,44	,5/		A
1320 1372 L G /6,02+07L G ,A (	,3/	,4/		A
35// 37// L G ² ²	,34 ²	,37		A
58// 61// L G ² ² ²²	,20 ²	,21 ²¹		A
EH 1 2(12// 13// L G (		2/		A

0(Typ Data 4 , 14 B-
 1(Min/Max Data 4 ,1/ 74 B-
 2(Input power 4// 44 B -

Typical Performance at Tc=25° C

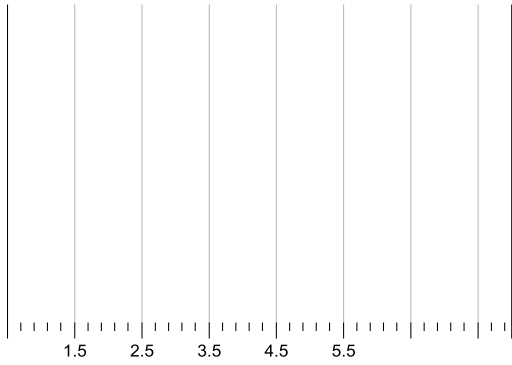


Figure.1 Wideband Insertion Loss

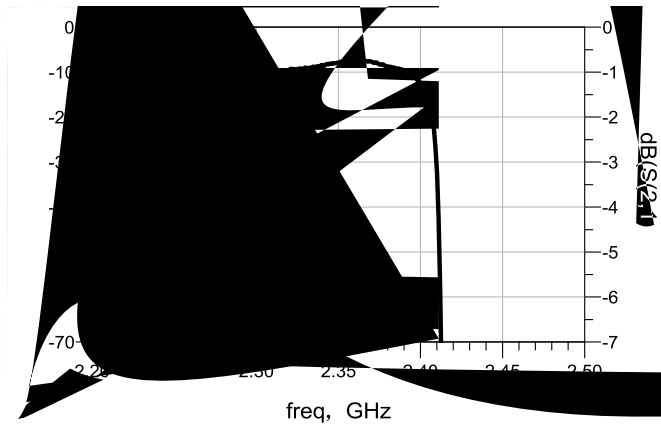


Figure.2 Narrowband Insertion Loss

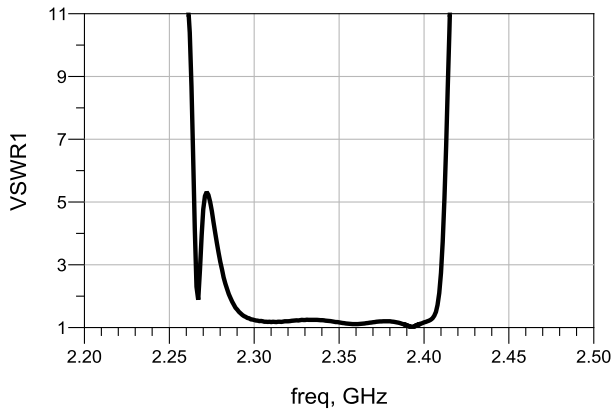


Figure.3 Input VSWR S11

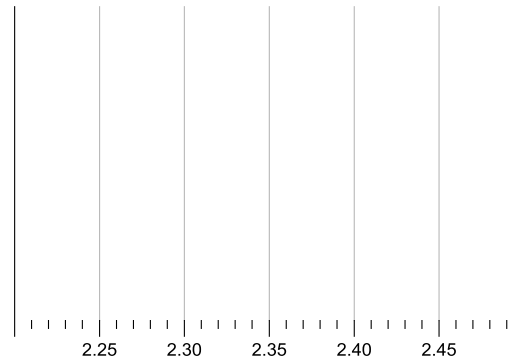


Figure.4 Output VSWR S22

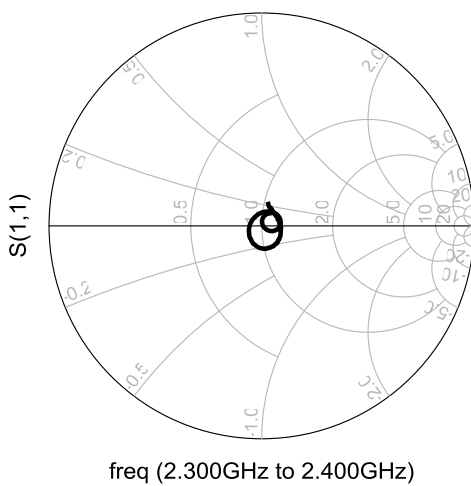


Figure.5 Input Smith Chart S11

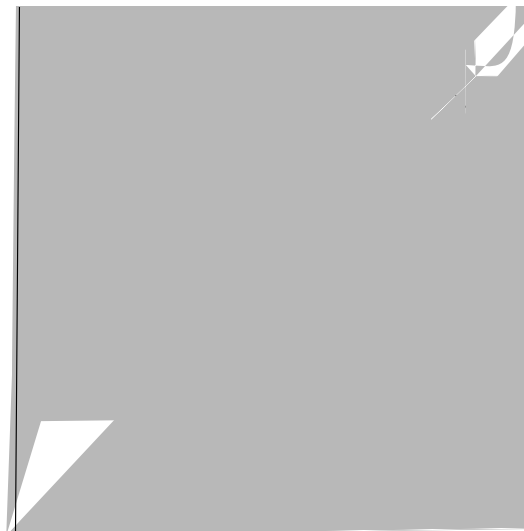
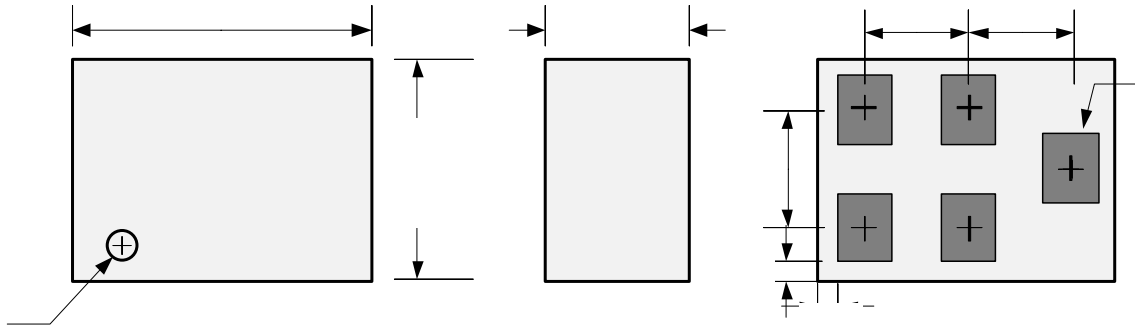
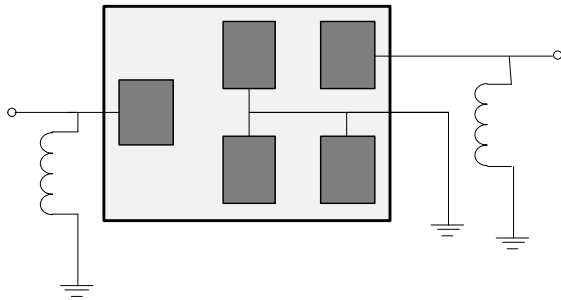


Figure.6 Output Smith Chart S22

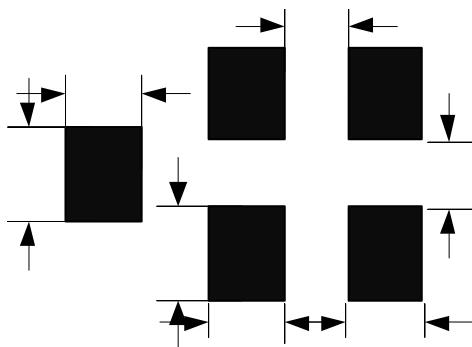
Package Outline Drawing



Test Circuit

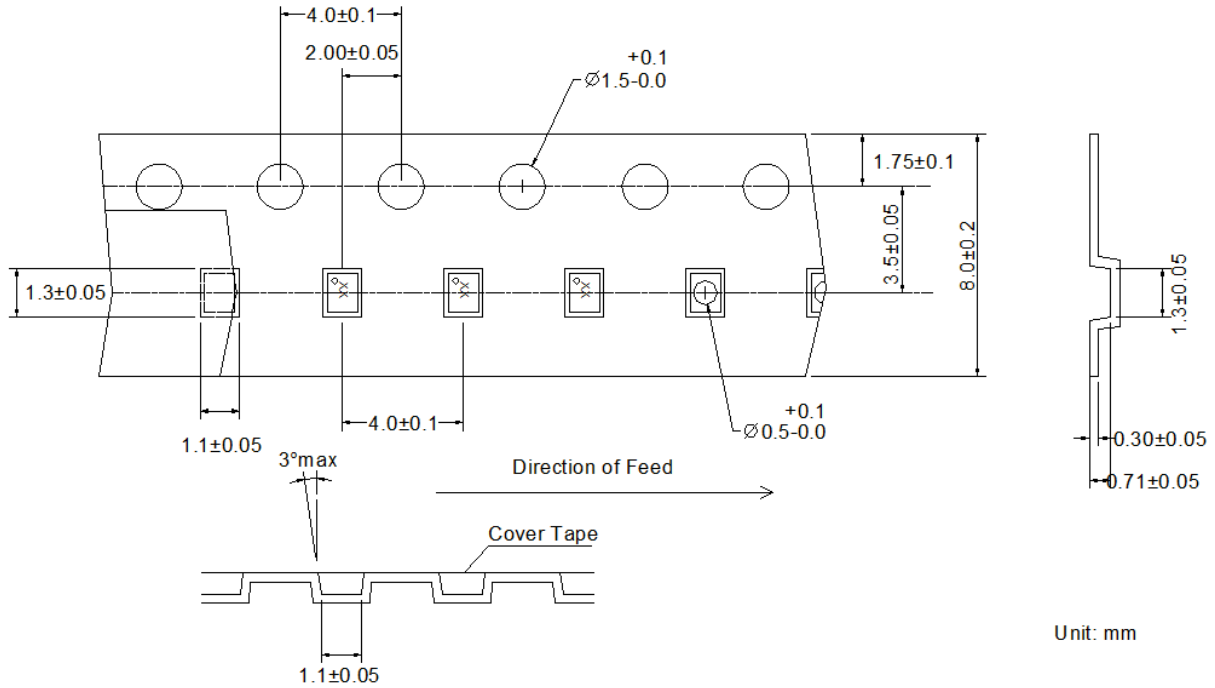


PCB Footprint

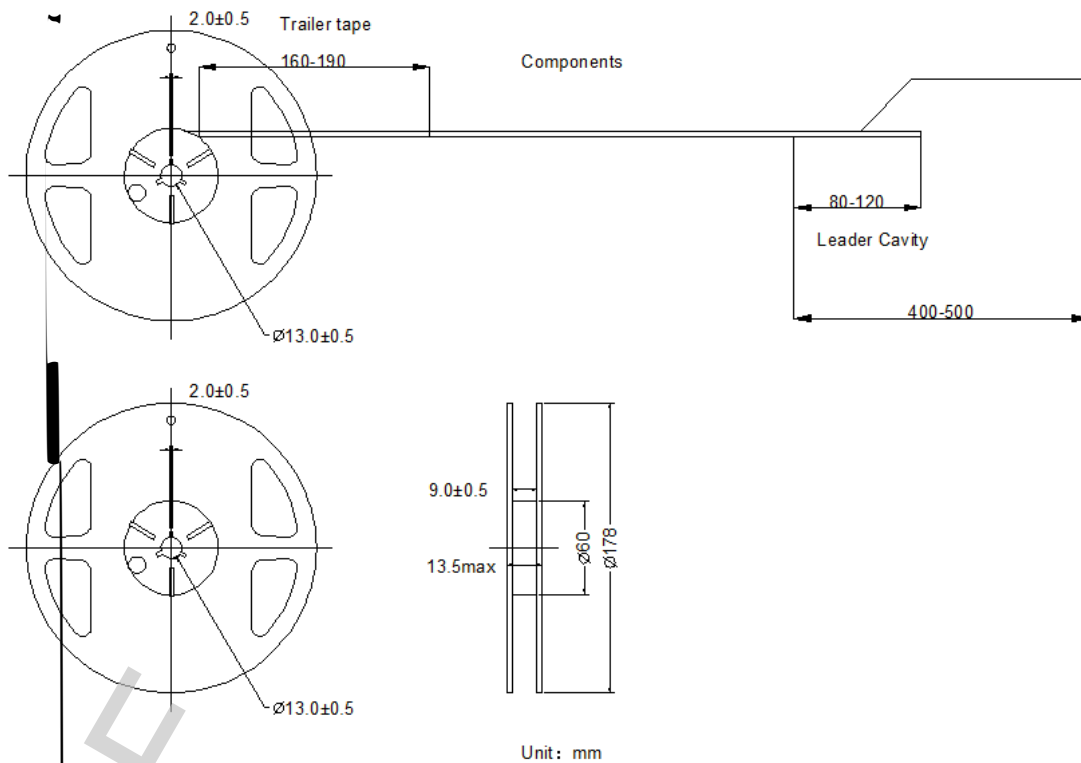


Packing

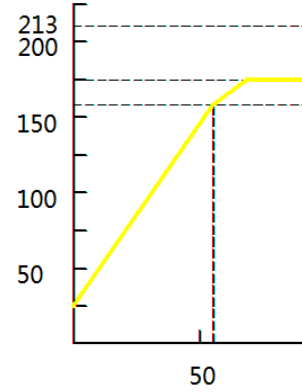
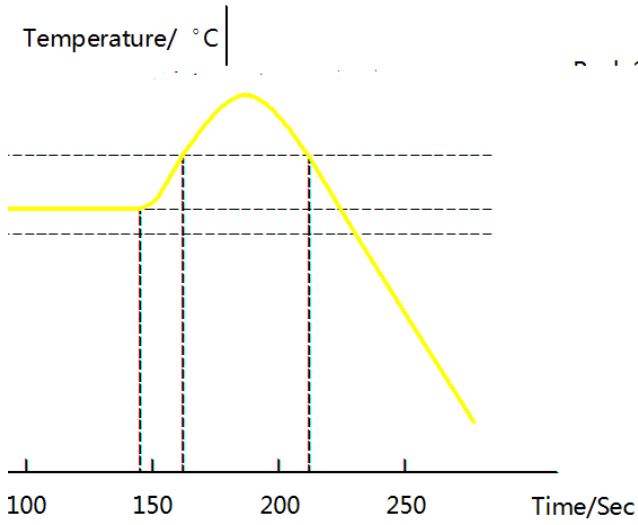
1. Tape Dimension



2. Reel Dimension



Recommended IR Reflow Profile



Order Information

M		B
E 1202D	4///	6

2 2

2

22 2
2

2 2

2

E + 9 _____ -

Notes:

4 - 4 +