

1. Features

- RF SAW Band Pass Filter
- Usable Pass-band 40.0 MHz
- Ceramic Surface Mount Device(SMD) Package
- RoHS/RoHS2 (2015/863/EU) Compliant

RoHS Compliant

Tested by SGS Testing Korea

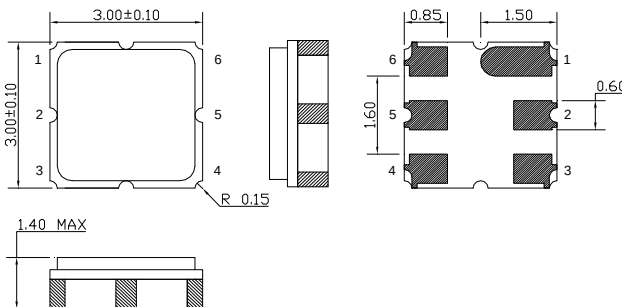
2. Electrical Specifications

Source and Load Impedance = 50Ω

Room Temperature : +25 °C			Minimum	Typical	Maximum
Center Frequency (fo)		MHz	-	1507.0	-
Insertion Loss	1487.0 MHz ~ 1527.0 MHz	dB	-	3.9	5.0
Amplitude Ripple	1487.0 MHz ~ 1527.0 MHz	dB	-	0.5	1.0
3dB Bandwidth		dB	-	56.98	-
20dB Bandwidth		dB	-	86.24	-
30dB Bandwidth		dB	-	92.46	-
Attenuation					
1300.0 MHz ~ 1448.0 MHz		dB	45	50	-
1563.0 MHz ~ 1700.0 MHz		dB	43	48	-

Due to variances in a PCB layout and parasitics, actual matching values may have to be changed accordingly.

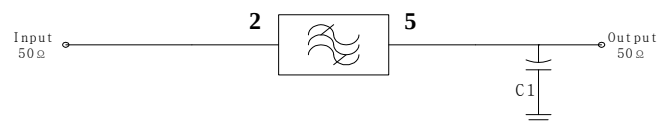
S3030 Package Dimension



Dimensions shown are nominal in millimeters

Base : Fe(SPCC), Au plating over Ni plated
 Cap : Cu & Cr Alloy, Ni Plated
 Termination : Kovar, Au Plated

Matching Schematic



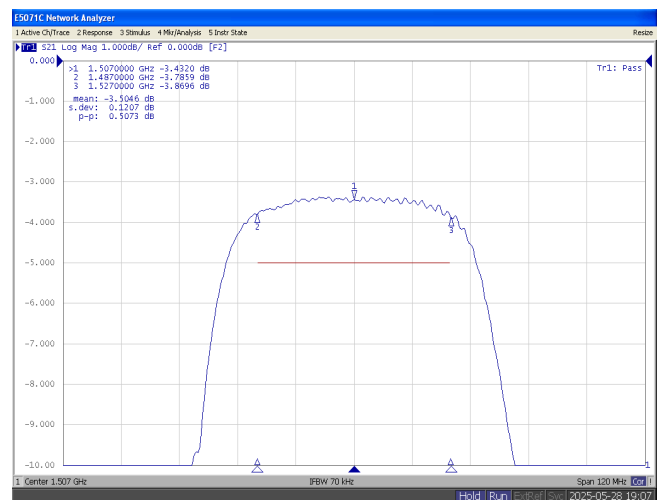
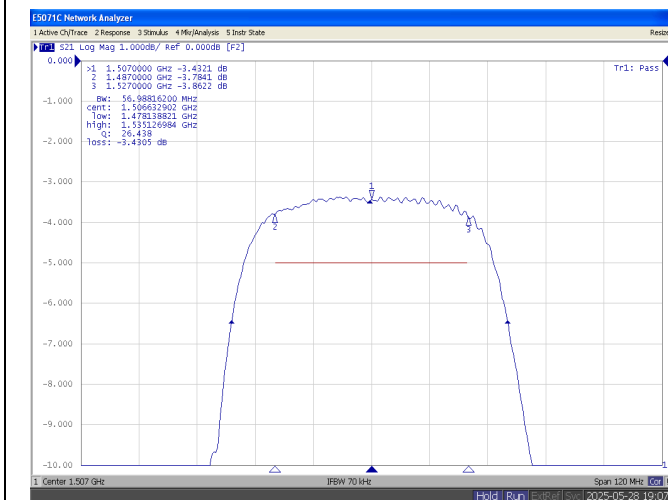
C1 = 0.75pF

Pin Configuration			
Input	2	Others	Ground
Output	5		

3. Typical Performance (at +25℃)

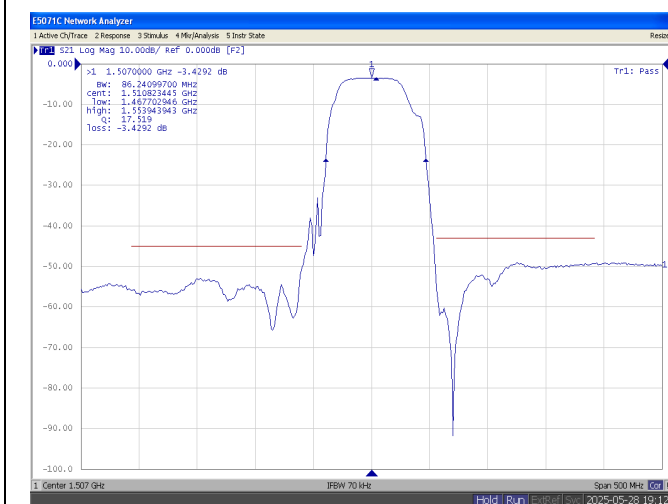
3dB Bandwidth

Ripple



20dB Bandwidth

30dB Bandwidth



Attenuation

