

Revision History

Part Number	Ver.	Revision History	Date	Author
F1H5G	AS01	First Sampling	260706	Justin

1. Features

- RF SAW Band Pass filter
- Usable Pass-band 56.0MHz
- Ceramic Surface Mount Device(SMD) Package
- RoHS/RoHS2 (2015/863/EU) Compliant

RoHS Compliant

Tested by SGS Testing Korea

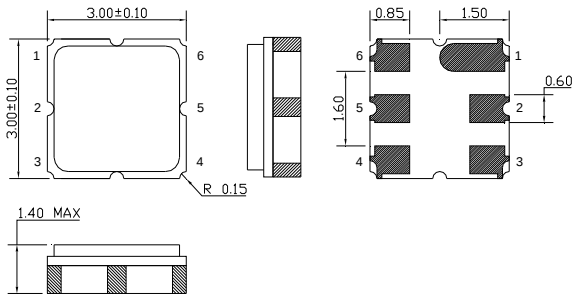
2. Electrical Specifications

Room Temperature : +25°C			Minimum	Typical	Maximum
Center Frequency (fo)		MHz	-	1588.0	-
Insertion Loss	1560.0MHz ~ 1616.0MHz	dB	-	2.5	3.5
Amplitude Ripple	1560.0MHz ~ 1616.0MHz	dB	-	0.8	2.0
VSWR	1560.0MHz ~ 1616.0MHz	-	-	2.0	2.5
Attenuation					
100.0 MHz ~ 1400.0 MHz		dB	38	45	-
1400.0 MHz ~ 1525.0 MHz		dB	25	35	-
1645.0 MHz ~ 1650.0 MHz		dB	8	25	-
1650.0 MHz ~ 1840.0 MHz		dB	25	30	-
1840.0 MHz ~ 2000.0 MHz		dB	33	38	-
2000.0 MHz ~ 2500.0 MHz		dB	30	40	-

Maximum Ratings

Parameter	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-55	-	+125
Storage Temperature Range	°C	-55	-	+125
Power Handling Capability	dBm	-	-	10

S3030 Package Dimension



Dimensions shown are nominal in millimeters

Body : Al₂O₃

Lid : Kovar, Ni Plated

Termination : Au plating 0.3 ~ 1.0um, over a 1.27 ~ 8.89um Ni Plating

Matching Schematic



Pin Configuration			
Input	2	Others	Ground
Output	5		

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

3. Typical Performance (at +25°C)

