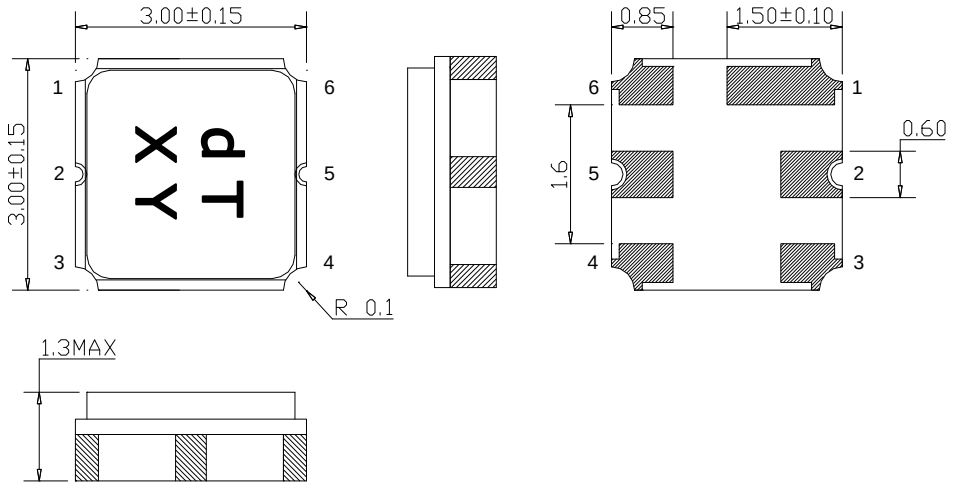
SAW Bandpass Filter F2G05

Features

- RF bandpass filter
- High attenuation
- No matching 50Ω single-ended operation
- Ceramic Surface Mounted Device (SMD) Package (3.0 mm * 3.0 mm)
- RoHS Compliant

Package Dimensions



Dimensions shown are nominal in millimeters

Body : Al_2O_3 Ceramic
Lid : Kovar, Ni Plated
Terminations : Au plating 0.3 ~ 1.0 um, Over a 1.27 ~ 8.89 um
Ni Plating

Pin Configuration	
2	Input
5	Output
1, 3, 4, 6	Case ground

Maximum Ratings

Parameter	**Unit**	**Minimum**	**Typical**	**Maximum**
Operating Temperature Range	℃	-30	25	85
Storage Temperature Range	℃	-40	25	85
Power Handling Capability	dBm	-	-	10

Electrostatics Sensitive Device (**ESD**)

SAW Bandpass Filter F2G05

Specifications

Fc = 2000 MHz

	Minimum	Typical	Maximum	Unit
Center Frequency (Fc)	-	2000	-	MHz
Insertion Loss (1970 ~2030 MHz)	-	2.3	3.5	dB
Amplitude Ripple (1970 ~2030 MHz)	-	1.3	2.2	dBp-p
VSWR (1970 ~2030 MHz)	-	1.9	2.5	
Relative Attenuation 1700 MHz ~ 1900 MHz 2120 MHz 2120 MHz ~ 2300 MHz	 30 35 30	 35 38 35	 - - -	dB
Input/Output Impedance		50		Ohms

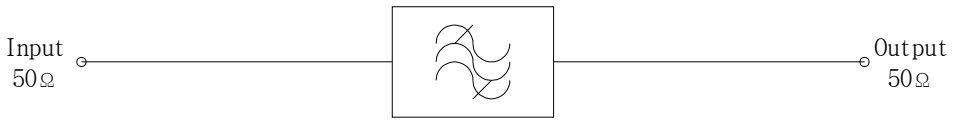
Notes :

1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 2 port calibration.

2) Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances

Matching Schematic

(Actual matching values may vary due to PCB layout and parasitics)



Marking Configuration

dT [1)]

XY [2)]

1) Application Code

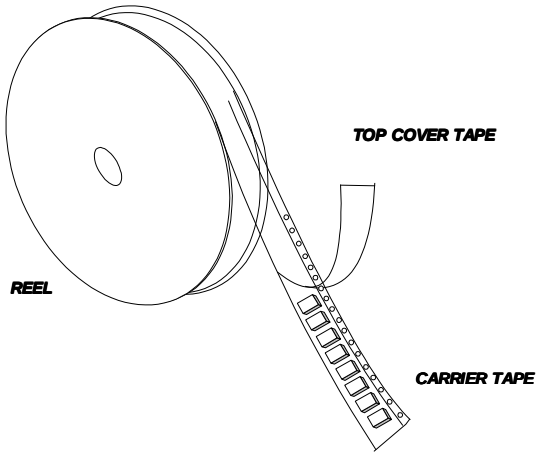
2) Date Code

* Ink or Laser Marking available

SAW Bandpass Filter F2G05

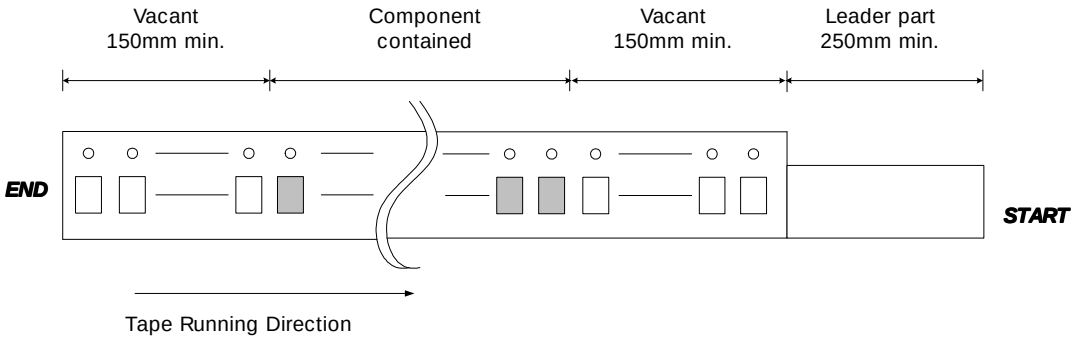
Packing Specification

1. Reeling Quantity : 3000 pcs / 13” reel (or 1000 pcs / 7” reel)
2. Taping Structure : The tape shall be wound around the reel in the direction shown below.



Tape Specification

1. Leader part and vacant position specification



2. Tensile strength of carrier tape

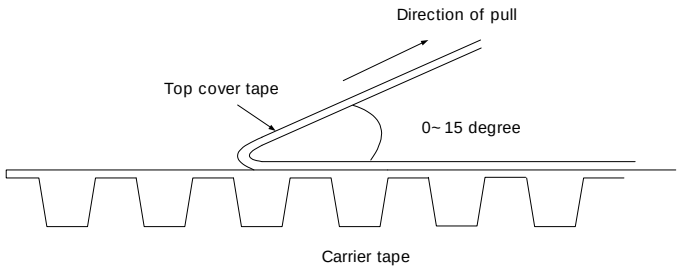
4.4N/mm width

3. Top cover tape adhesion

1) pull off angle : 0~15°

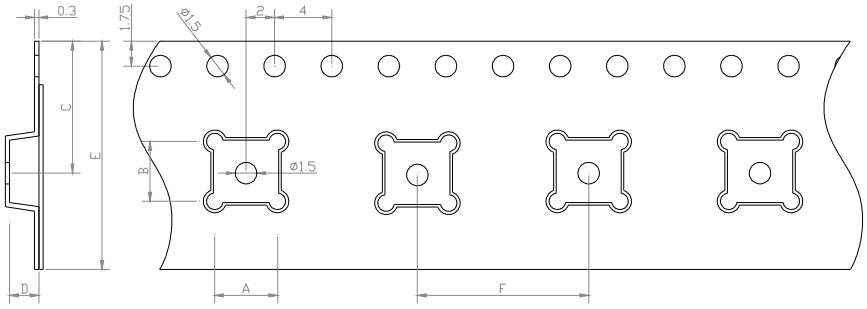
2) speed : 300mm/min

3) force : 20~70g



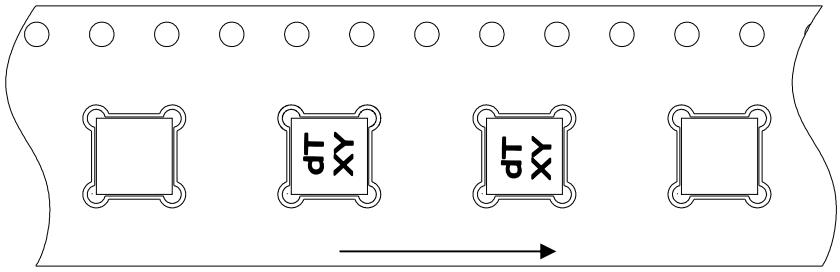
SAW Bandpass Filter F2G05

Carrier Tape Dimensions [unit : mm]



A	3.40 ± 0.1
B	3.40 ± 0.1
C	7.25 ± 0.1
D	1.70 ± 0.1
E	12.00 ± 0.1
F	8.00 ± 0.1

Part Direction



Tape Running Direction

Reel Dimensions [unit : mm]

