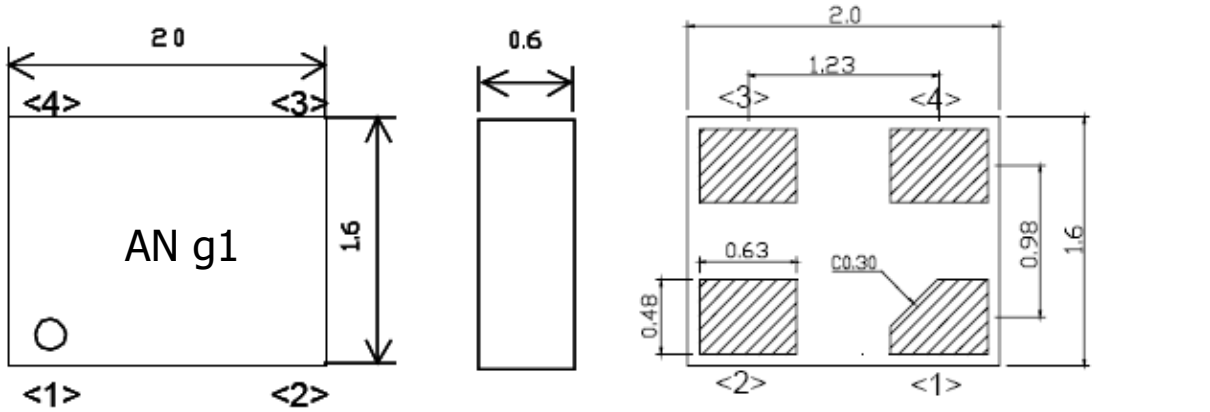
SAW Bandpass Filter F1G84

Features

- US-PCS applications
- Usable bandwidth of 60 MHz
- No impedance matching require for operation at 50 Ω
- SMD Package 2.0 mm × 1.6 mm× 0.6 mm
- Single-ended Operation
- RoHS Compliant

Package Dimensions



Unit : mm

Pin Configurations	
1	Input
2	Case Ground
3	Output
4	Case Ground

Maximum Ratings

Parameters	Unit	Minimum	Typical	Maximum
Operating Temperature Range	℃	-30	25	80
Storage Temperature Range	℃	-40	-	85
Power Handling Capability	dBm	-	-	13

Electrostatics Sensitive Device (**ESD**)

Specifications

Fo = 1880.0 MHz

Terminating source impedance : 50Ω and matching network

Terminating load impedance : 50Ω and matching network

		Minimum	Typical	Maximum
Center Frequency (Fc)	MHz	-	1880.0	-
Insertion Loss (Fo +/- 30 MHz)	dB	-	2.5	3.6
Amplitude Ripple (Fo +/- 30 MHz)	dBp-p	-	1.3	2.7
VSWR (Fo +/- 30 MHz)	dB	-	1.9	2.4
Relative Attenuation	dB	-	-	-
DC ~ 1770MHz		20.0	24.0	-
1770MHz ~ 1830MHz		10.0	21.0	-
1930MHz ~ 1990MHz		24.0	34.	-
1990MHz ~ 2550MHz		25.0	34.0	-
2550MHz ~ 4000MHz		12.0	19.0	-
4000MHz ~ 6000MHz		9.0	14.0	
Input/Output impedance	Ohms		50	

Notes :

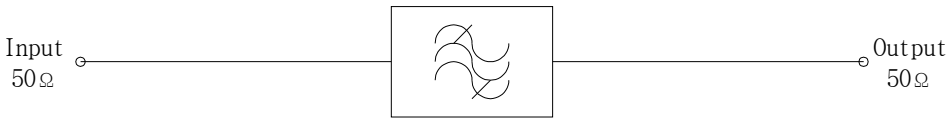
1) All specifications are based on the matching schematic shown below, measured by Agilent Network analyzer and full 2 port calibration.

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

3) All attenuation measurements are measured relative to insertion loss

Matching Schematic

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



Marking Configuration

● 1) AN 2) g1 3)

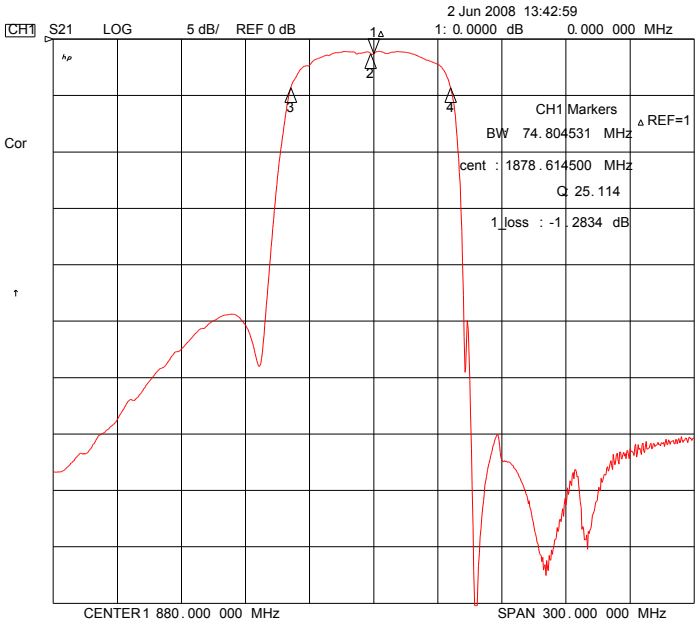
1) Index Mark

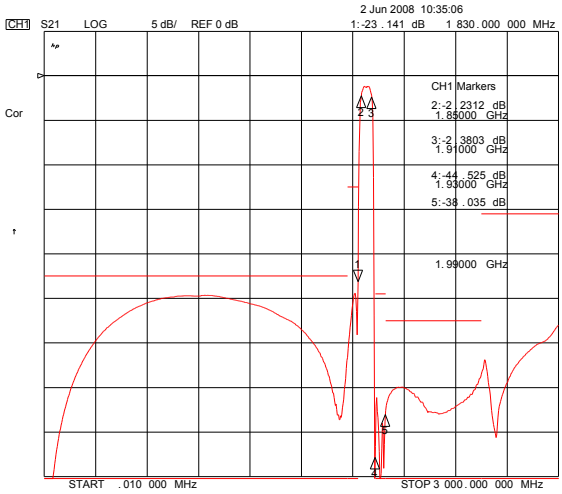
2) Part Number Mark

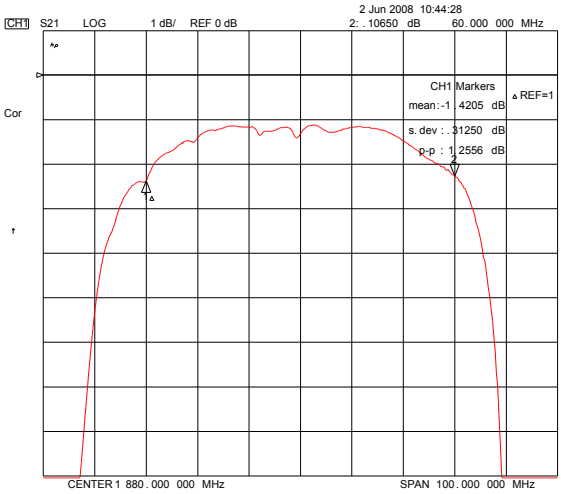
3) Lot Number

* Ink or Laser Marking available

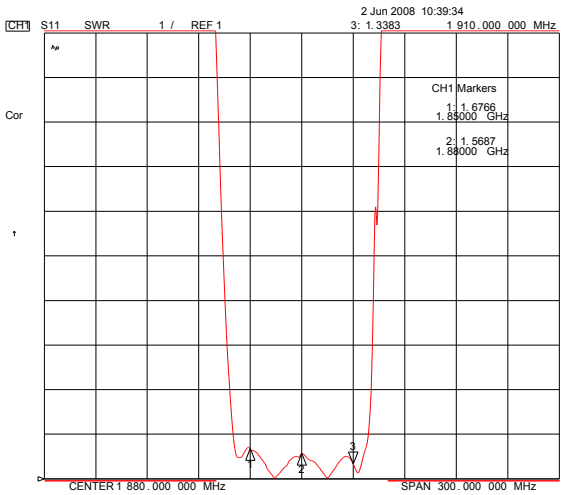
Typical Performance (at 25℃)

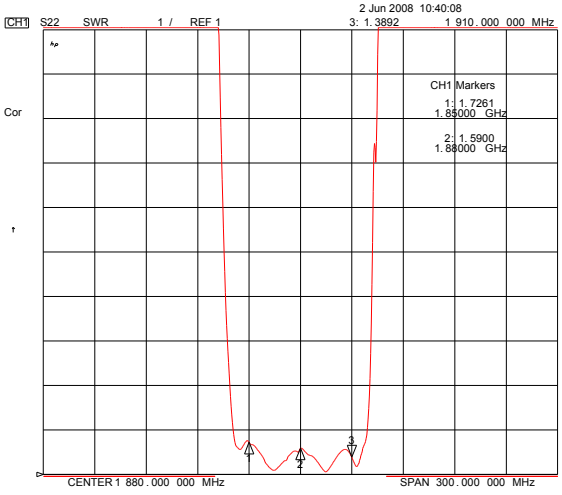




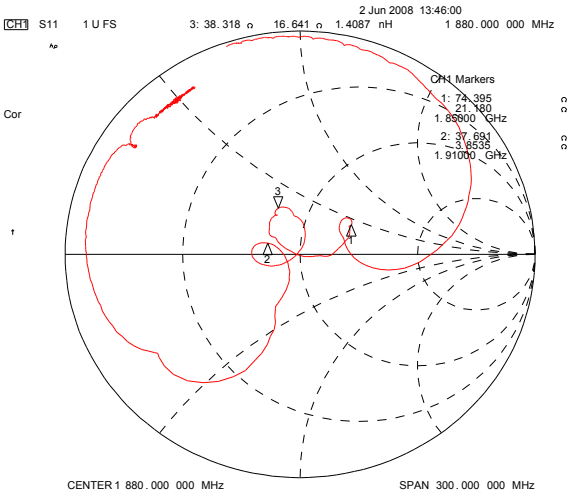


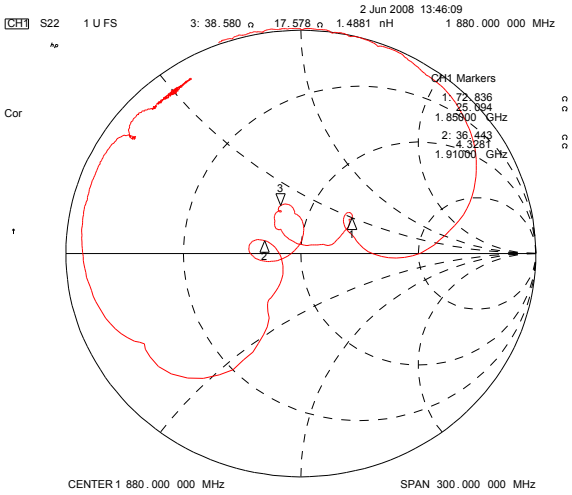
Input / Output VSWR Charts





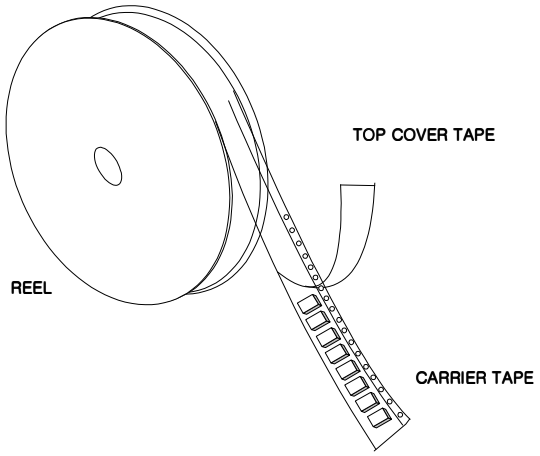
Input / Output Smith Charts





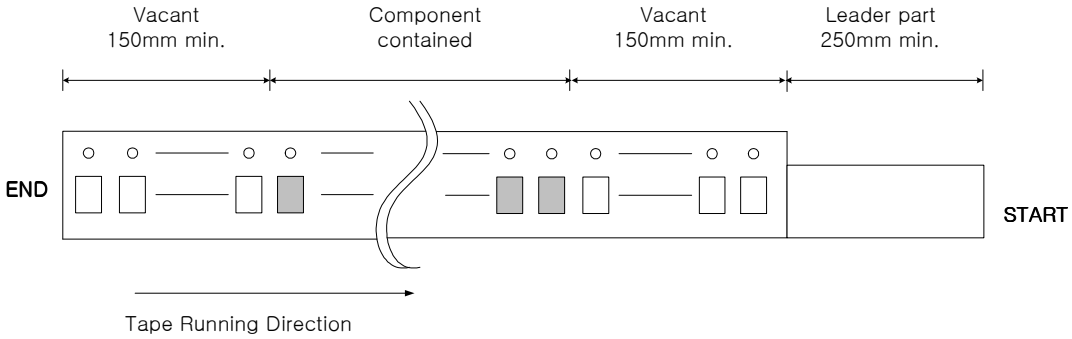
Packing Specification

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

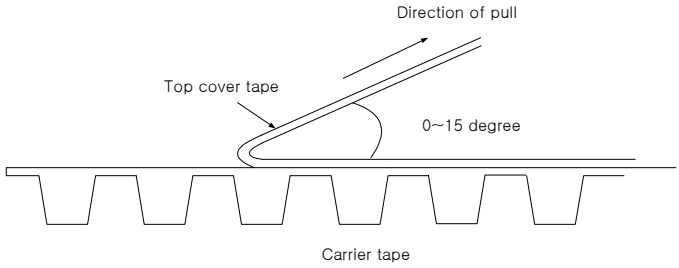
   4.4N/mm width

3. Top cover tape adhesion

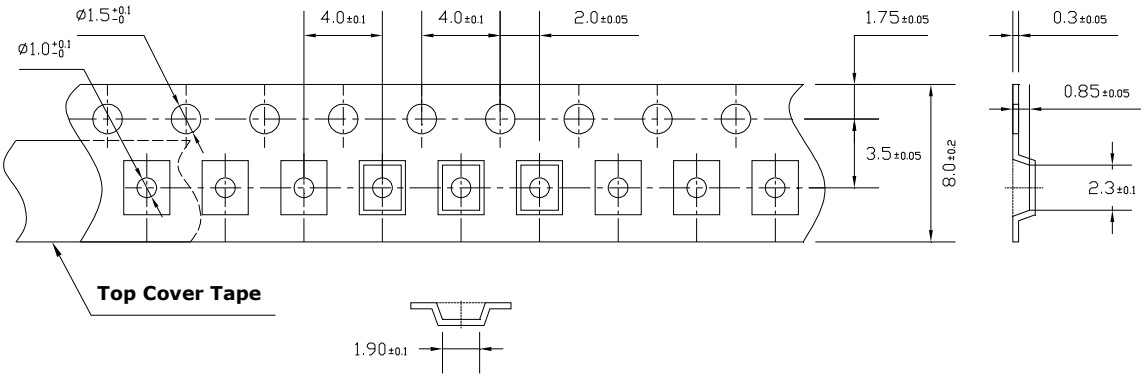
   1) pull off angle : 0~15°

   2) speed : 300mm/min

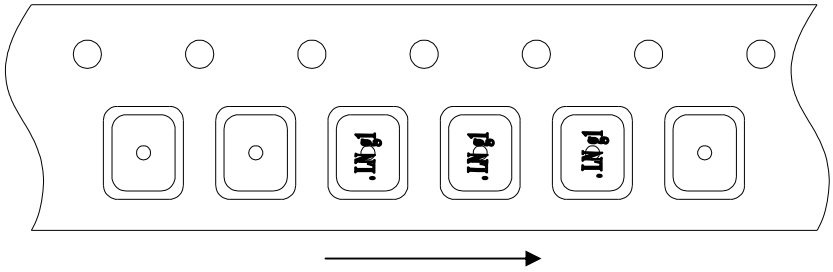
   3) force : 20~70g



Carrier Tape Dimensions [unit : mm]



Part Direction



Reel Dimensions [unit : mm]

