

Model No.: FF1842M50-LS72

Rev. No.: Preliminary

1842.50 MHz SAW Filter for cellular telephone

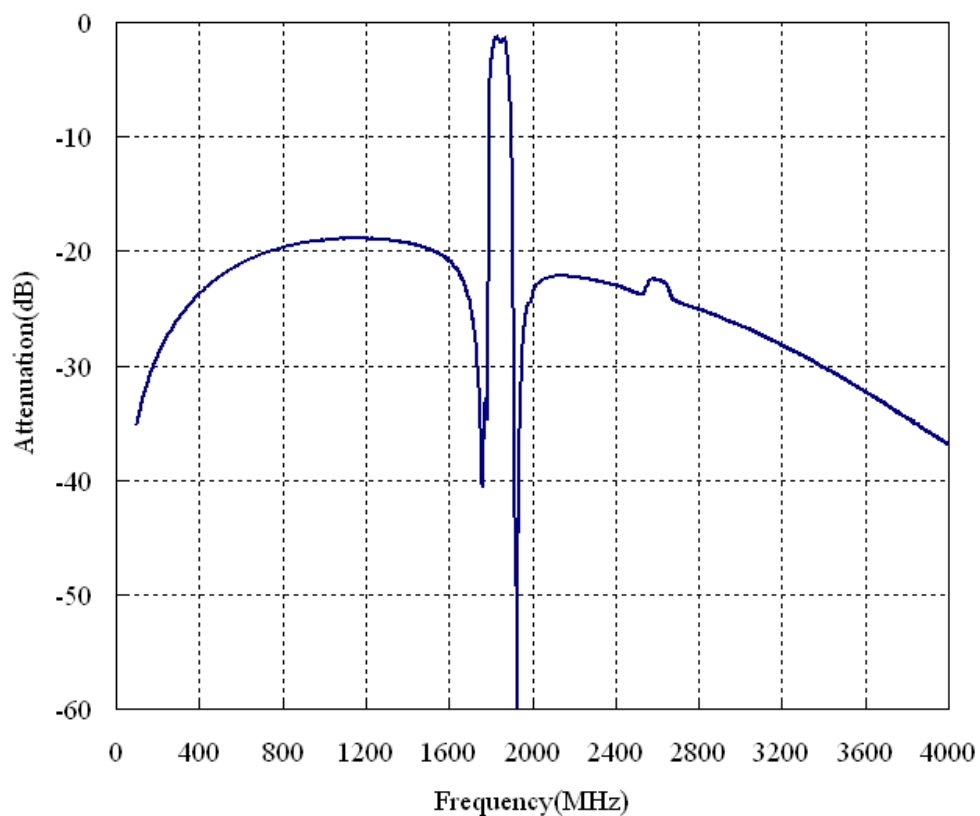
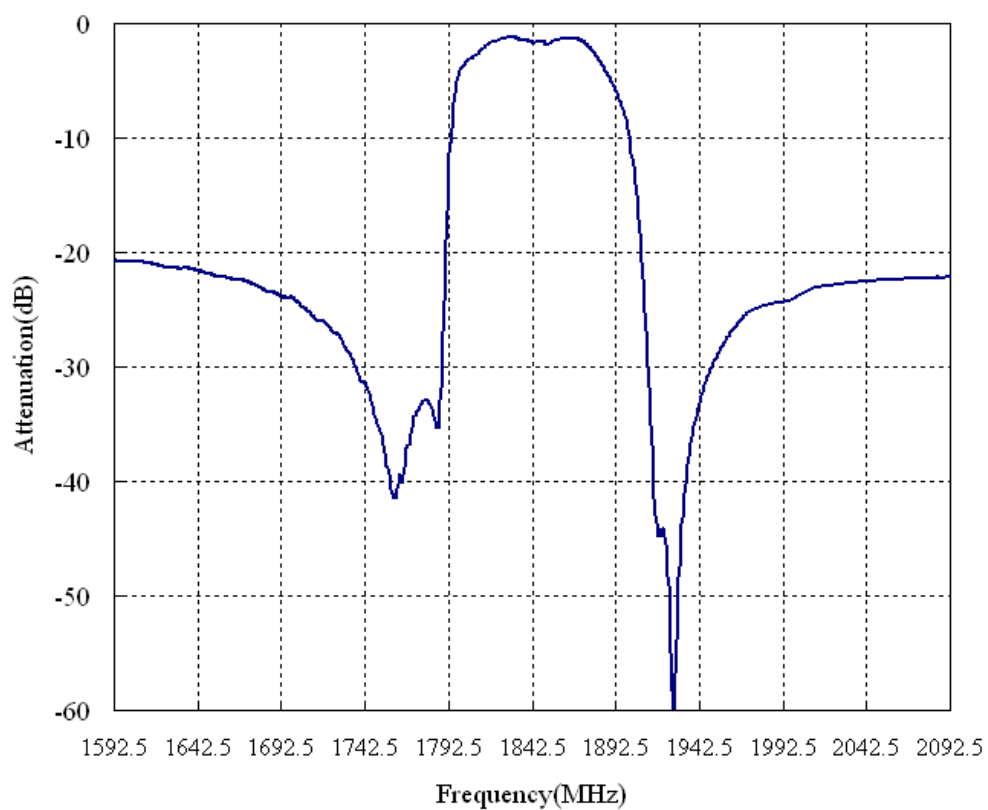
A. Maximum ratings:

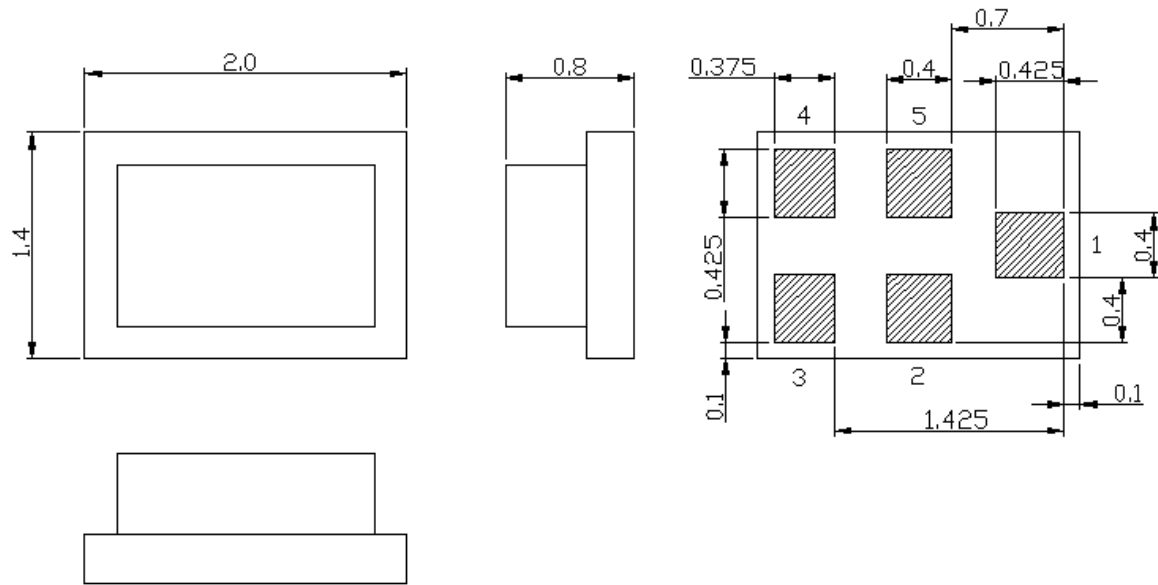
1. Input power level: 15 dBm max.
2. DC Permissive Voltage: 10V DC max.
3. Operating temperature: -20°C to +70°C
4. Storage temperature: -40°C to +85°C

B. Electrical specifications:

Item	Unit	Min.	Typ.	Max.
Center frequency, f_0	MHz	-	1842.5	-
Pass-band width, BW	MHz	-	75	-
Insertion loss, IL				
within 1805 ~1815 MHz (15°C to +70°C)	dB	-	3.0	3.3
	dB	-	-	3.7
within 1815 ~1870 MHz	dB	-	1.8	3.0
within 1870 ~1880 MHz	dB	-	3.0	3.3
Absolute stop band attenuation				
0 ~ 1590 MHz	dB	18	19	-
1590 ~ 1720 MHz	dB	20	22	-
1720 ~ 1765 MHz	dB	25	27	-
1765 ~ 1785 MHz	dB	8	30	-
1920 ~ 1980 MHz	dB	15	24	-
1980 ~ 4000 MHz	dB	20	23	-
VSWR within 1805 ~ 1880 MHz	dB	-	2.2	2.6
Source / Load impedance	Ω	-	50	-

C. Characteristics:



D. Package and pin configuration:

(Unit: mm)

Pin 1: Input

Pin 2: Case Ground

Pin 3: Ground

Pin 4: Output

Pin 5: Case Ground