

Model No.: FF1842M50-LS72

Rev. No.: Preliminary

1842.50 MHz SAW Filter for cellular telephone

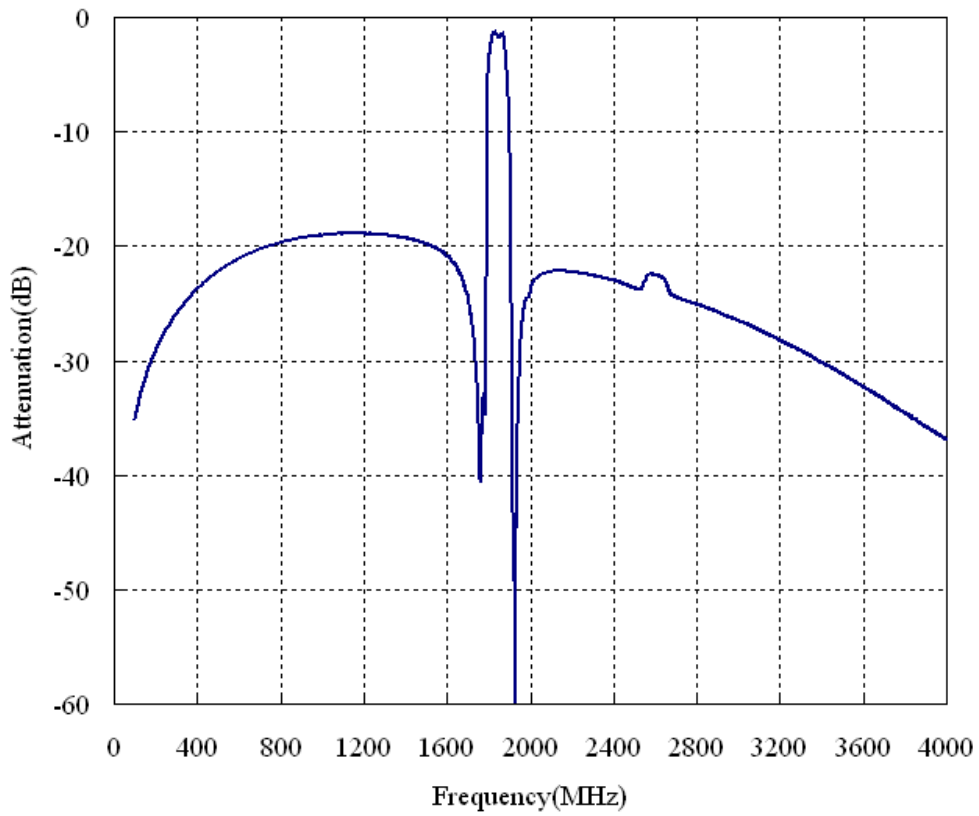
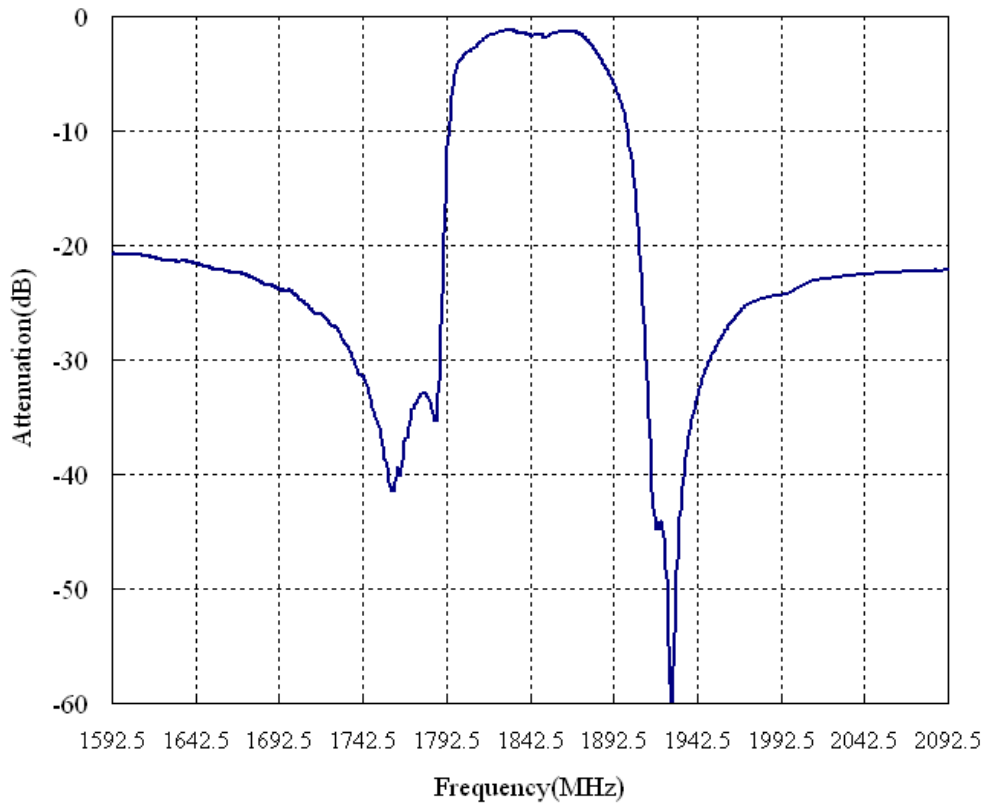
A. Maximum ratings:

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

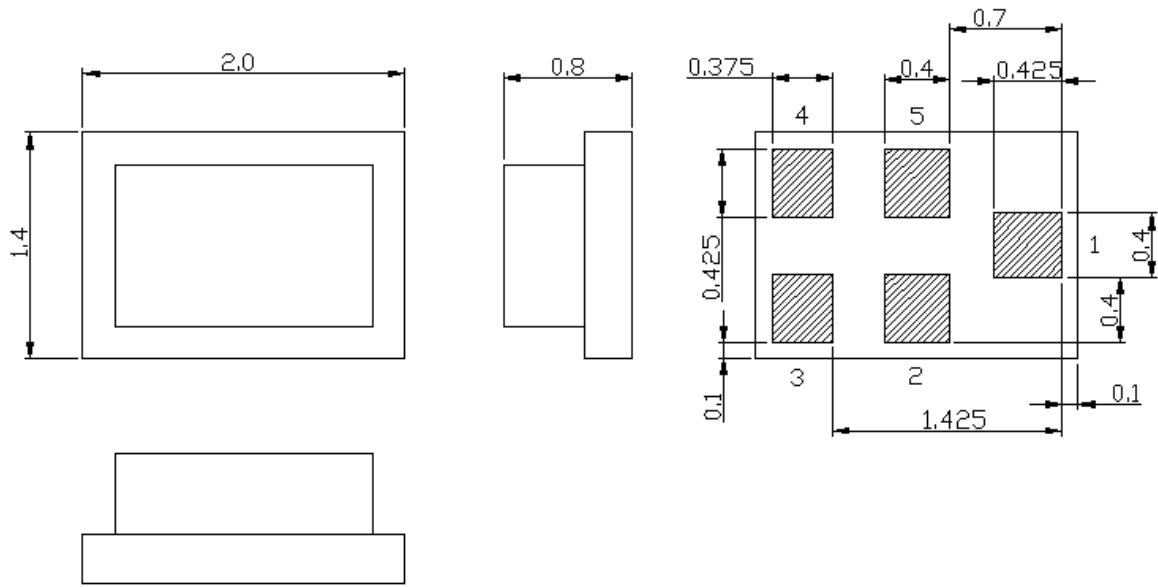
B. Electrical specifications:

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
	(-20°C to 15°C)	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