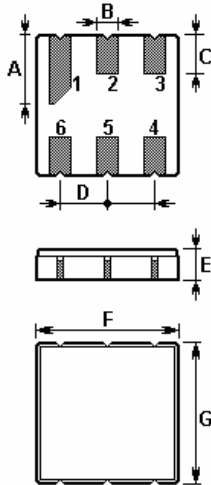


The LGE F4149 is a low-loss, compact, and economical surface-acoustic-wave (SAW) RF filter in a surface-mount ceramic **DCC6** case for remote control applications.

1. Package Dimension (DCC6)



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

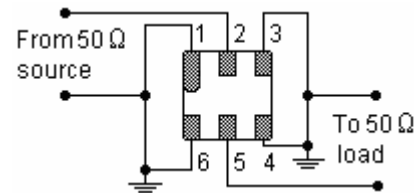
Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.9±0.10	E	1.35±0.15
B	0.64±0.10	F	3.8±0.15
C	1.0±0.10	G	3.8±0.15
D	1.27±0.10		

2. Marking

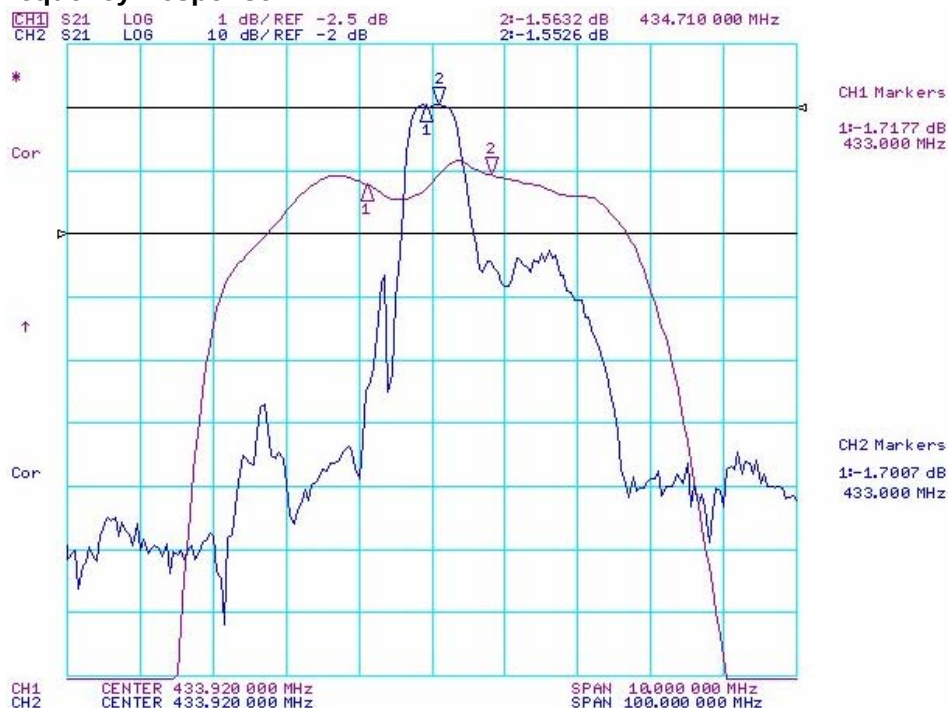
LGE F4149

Laser Marking

3. Matching Circuit



4. Typical Frequency Response



5. Performance

5-1. Maximum Ratings

Rating		Value	Unit
Source Power	P_S	10	dBm
DC Voltage	V_{DC}	0	V
Storage Temperature Range	T_{stg}	-45 to +90	°C
Operating Temperature Range	T_A	-40 to +85	°C

5-2. Electronic Characteristics

Characteristic		Minimum	Typical	Maximum	Unit
Center Frequency	f_C		433.920		MHz
Insertion Loss	IL		2.0	2.7	dB
	433.00 434.71 MHz				
Amplitude Ripple	$\Delta\alpha$		0.5	1.3	dB
	433.00 434.71 MHz				
3dB Bandwidth	BW_3		7.2		MHz
Attenuation	α				
	10.00 380.00 MHz	55	60		dB
	380.00 413.50 MHz	45	50		dB
	413.50 424.00 MHz	46	52		dB
	443.75 454.00 MHz	20	25		dB
	454.00 470.00 MHz	25	32		dB
	470.00 650.00 MHz	48	55		dB
	650.00 1000.0 MHz	38	45		dB
Temperature Coefficient of Frequency	TC_f		-30		ppm/K