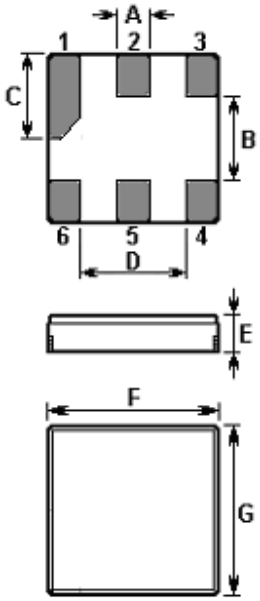
The **NDF8068** is a low-loss, compact, and economical surface-acoustic-wave (**SAW**) RF filter in a surface-mount ceramic **DCC6C** case for AMPS, CDMA and TDMA applications.

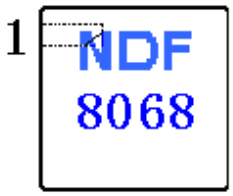
1. Package Dimensions (DCC6C)



Pin	Configuration
2	Input / Output
5	Output / Input
others	Case Ground

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	0.6	E	1.1
B	1.5	F	3.0
C	1.5	G	3.0
D	1.8		

2. Marking



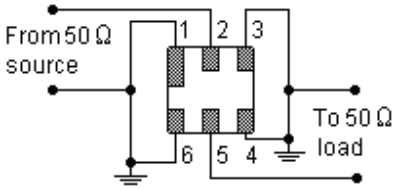
2-1. N D F

- The characters “ND” indicates our company’s mark for short
- The third character “F” indicates the type of SAW component
  Including: F(filter), R(resonator) etc.

2-2. 8 0 6 8

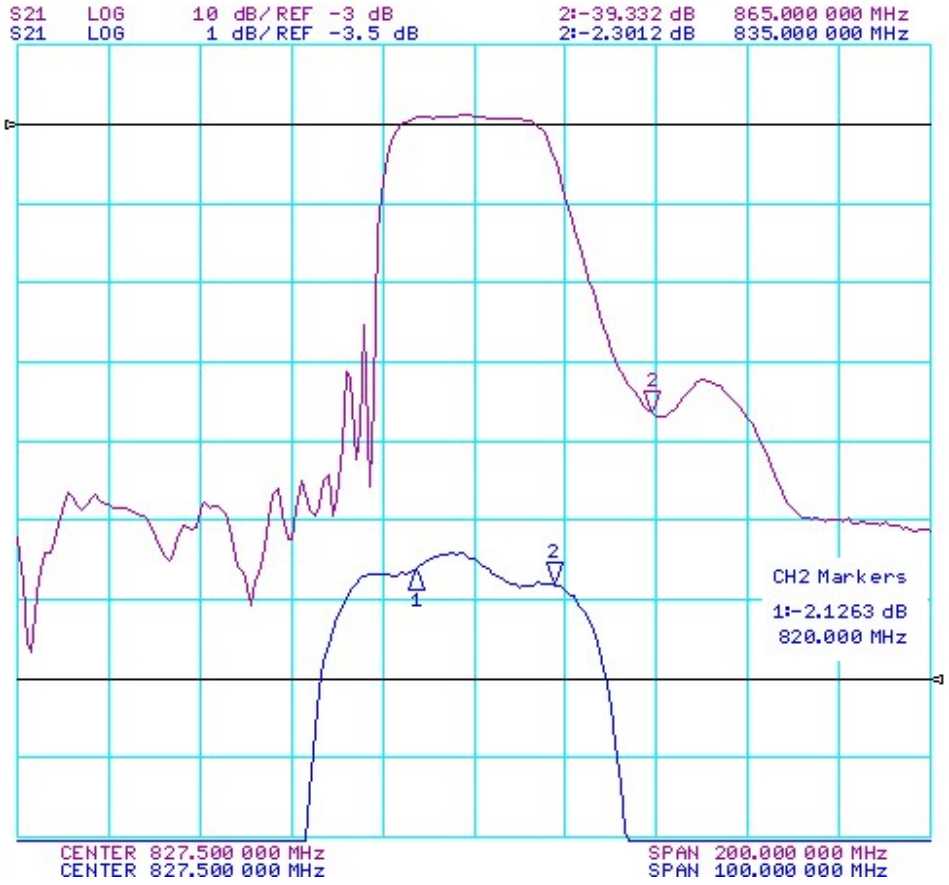
- The “8068” indicates the model name of SAW component

3. Test Circuit



No impedance matching required for operation at 50 Ω .

4. Frequency Characteristics



5. Performance

5-1. Maximum Ratings

Rating	Value	Unit
Input Power Level	10	dBm
DC Voltage	12	V
Storage Temperature Range	-40 to +85	℃
Operating Temperature Range	-40 to +85	℃

5-2. Electronic Characteristics

Parameter		Minimum	Typical	Maximum	Unit
Center Frequency	f_C	--	827.500	--	MHz
3dB Bandwidth	BW_3	--	±17.0	--	MHz
Usable Bandwidth	BW_{UES}	--	±12.5	--	MHz
Insertion Loss 815.00 MHz …. 840.00 MHz	*IL*	-- --	2.5 2.5	3.5 3.5	dB dB
Amplitude Variation (p-p) 815.00 MHz …. 840.00 MHz	*Δ α*	-- --	0.85 0.85	1.5 1.5	dB dB
Absolute Attenuation DC …. 790.00 MHz 860.00 MHz …. 920.00 MHz 920.00 MHz …. 2000.0 MHz	*α*	 40 28 40	 50 32 45	 -- -- --	 dB dB dB
Input / Output Impedance			50		Ω

ⓘCAUTION: Electrostatic Sensitive Device. Observe precautions for handling!

1. Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture that is connected to a 50Ω test system with VSWR≤1.2:1. The test fixture L and C are adjusted for minimum insertion loss at the filter center frequency, f_C. Note that insertion loss, bandwidth, and passband shape are dependent on the impedance matching component values and quality.
2. Unless noted otherwise, specifications apply over the entire specified operating temperature range.
3. The specifications of this device are based on the test circuit shown above and subject to change or obsolescence without notice.
4. All equipment designs utilizing this product must be approved by the appropriate government agency prior to manufacture or sale.
5. Our liability is only assumed for the Surface Acoustic Wave (SAW) component(s) per se, not for applications, processes and circuits implemented within components or assemblies.
6. For questions on technology, prices and delivery, please contact our sales offices or e-mail winnsky@winnsky.com