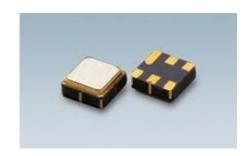
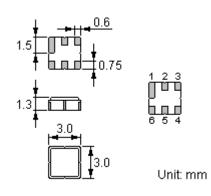
Features

- Low-loss RF filter for mobile systems
- Low amplitude ripple
- No matching network required for operation at 50Ω
- Ceramic package for Surface Mounted
 Technology (SMT)
- Lead-free production and RoHS compliant



Package Dimensions

Ceramic Package: DCC6C



Pin Configuration

2	Input
5	Output
1, 3, 4, 6	Ground

Marking Top View, Laser Marking

"ACT": Manufacturer's mark "F": SAW filter "8086": Part number "•": Terminal 1

"*": Lot number (The code shown below varies in a 4-year cycle)

Code	1	2	3	4	5	6	7	8	9	10	11	12
2010	N	Р	Q	R	S	Т	U	V	W	Х	Υ	Z
2011	а	b	С	d	е	f	g	h	i	j	k	m
2012	n	р	q	r	S	t	u	٧	W	Х	у	z
2013	Α	В	С	D	E	F	G	Н	J	K	Ĺ	М

Maximum Ratings

Rating		Value	Unit			
		13.5 dBm CW, Ta=85°C, life time>10 years				
Input Power Level	P	20dBm CW, Ta=85°C, pass band top frequency, test 1000 hours continuously ,electrical characters meet demand;				
		23dBm CW, Ta=85°C, pass band top frequency,				
		test 2 hours continuously ,electrical characters				
		meet demand;				
DC Voltage	$V_{ m DC}$	12	V			
Operating Temperature Range	T_{A}	-40 ~ +85	°C			
Storage Temperature Range	$T_{ m stg}$	-40 ~ +85 °C				

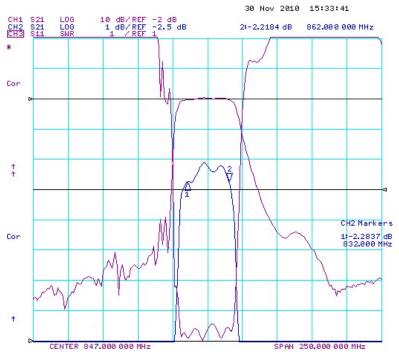
Electrical Characteristics

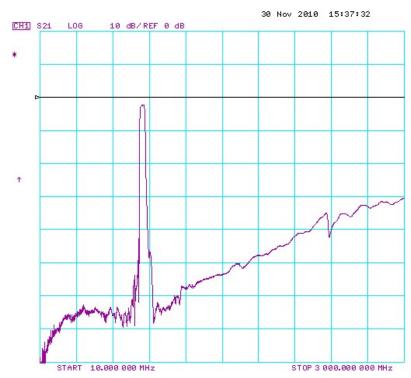
Parameter			Minimum	Typical	Maximum
Се	MHz		847		
Insertio	Insertion Loss (832~862MHz)			2.0	3.0
Amplitude	Amplitude Variation(832~862MHz)			0.6	1.2
Group dela	Group delay Variation(832~862MHz)			30	50
	10~582MHz	dB	50	60	
	582~722MHz	dB	45	55	
	722~792MHz	dB	40	50	
Absolute	792~820MHz	dB	33	40	
Attenuation	902~928MHz	dB	37	42	
	928~1112MHz	dB	45	53	
	1112~1300MHz	dB	43	51	
	1300~3000MHz	dB	25	30	
Input/Output Return Loss(832~862MHz)		dB	12	14	
RF Power		dBm			+20
Input	Input/Output Impedance			50	

® RoHS Compliant

Electrostatic Sensitive Device

Typical Frequency Response S21 S11





Stability Characteristics

	Test item	Condition of test				
1	Mechanical shock	(a) Drops: 3 times on concrete floor (b) Height: 1.0 m				
2	Vibration resistance	(a) Frequency of vibration: 10~55Hz (c) Directions: X,Y and Z	(b) Amplitude: 1.5 mm (d) Duration: 2 hours			
3	Moisture resistance	(a) Condition: 40°C, 90~95% R.H. (c) Wait 4 hours before measurement	(b) Duration: 96 hours			
4	Climatic sequence	1, ,	for 24 hours, 90~95% R.H. for 24 hours, 90~95% R.H.			
5	High temperature exposure	(a) Temperature: 70°C (c) Wait 4 hours before measurement	(b) Duration: 250 hours			
6	Thermal impact	(a) +70°C for 30 minutes ⇒ -25°C for 30 m (b) Wait 4 hours before measurement	inutes repeated 3 times			

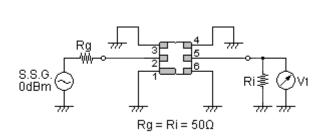
Requirements: The SAW filer shall remain within the electrical specifications after tests.

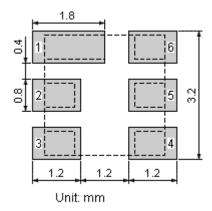
Remarks

- SAW devices should not be used in any type of fluid such as water, oil, organic solvent, etc.
- Be certain not to apply voltage exceeding the rated voltage of components.
- Do not operate outside the recommended operating temperature range of components.
- Sudden change of temperature shall be avoided, deterioration of the characteristics can occur.
- Be careful of soldering temperature and duration of components when soldering.
- Do not place soldering iron on the body of components.
- Be careful not to subject the terminals or leads of components to excessive force.
- SAW devices are electrostatic sensitive. Please avoid static voltage during operation and storage.
- Ultrasonic cleaning shall be avoided. Ultrasonic vibration may cause destruction of components.

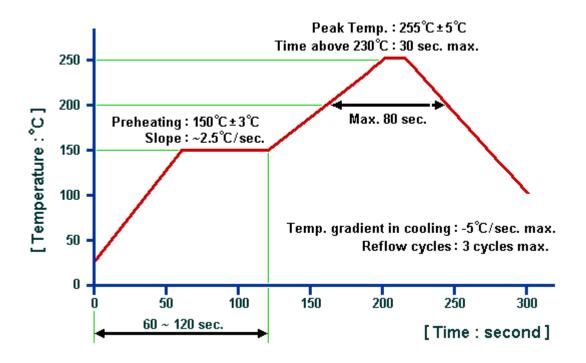
Test Circuit

Recommended Land Pattern



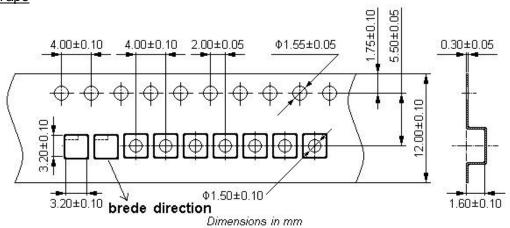


Recommended Soldering Profile

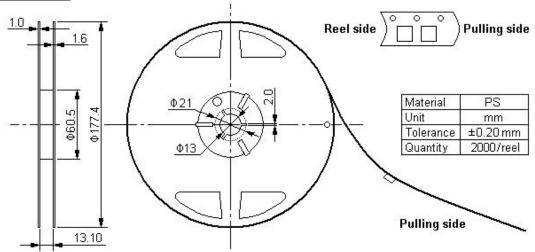


Packing Information

Carrier Tape



Reel Dimensions



Outer Packing

Туре	Quantity	Dimension	Description	Weight
Carton Box I	10000	190×190×95	anti-static plastic bag & carton box 1 reel / bag	0.85
Carton Box II	20000	190×190×190	5 bags / box (10000 pcs) 10 bags / box (20000 pcs)	1.80

Unit: mm Unit: kg

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NOTE:

- 1. The specifications of this device are subject to change or obsolescence without notice.
- 2. Typically, equipment utilizing this device requires emissions testing and government approval, which is the responsibility of the equipment manufacturer.
- 3. 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.