



SAW Components
Data Sheet
CQTSF433M60.01

Customer's Approval Certificate	
Complies with Directive 2002/95/EC (RoHS)	
Please return this Page Via email as a certification of Your approval	
Checked & Approval by:	Date:

Hangzhou Freq-control Electronics Technology Co.,Ltd.

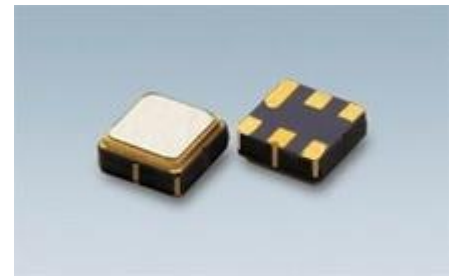
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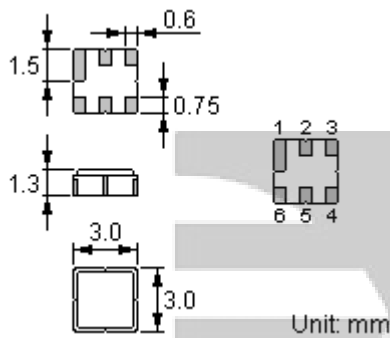
Features

- 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

DSF*
.3141

- (1) Laser Marking
- (2) D: Manufacture's logo
- (3) SF: SAW Filter
- (4) 3141: Part Number
- (5) : Pin 1 Identifier
- (6) *: 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
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z
2011	a	b	c	d	e	f	g	h	i	j	k	m
2012	n	p	q	r	s	t	u	v	w	x	y	z

Maximum Ratings

Rating		Value	Unit
Input Power Level	P	15	dBm
DC Voltage	V_{DC}	12	V
Operating Temperature Range	T_A	-20 ~ +85	°C
Storage Temperature Range	T_{stg}	-40 ~ +85	°C
ESD Voltage(HB)	V_{ESD}	150	V

Electrical Characteristics

Item		Minimum	Typical	Maximum	Unit
Center Frequency	f_c		433.6		MHz
Insertion attenuation	IL				
	433.0MHz~434.2 MHz	--	2.4	2.7	dB
Pass band Ripple @ 433.0MHz~434.2MHz			0.3	1.0	
Absolute Attenuation	α				
	0 ~418.50 MHz	50	60		dB
	418.50~430MHz	30	45		dB
	448~600MHz	50	60		dB
	600~800MHz	30	37		dB
Source/ Load Impedance (Single ended)			50		Ω

 RoHS Compliant

 Electrostatic Sensitive Device

Typical Frequency Response