



***SAW Components***  
***Data Sheet***  
***CQTSF433M60.03***

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.

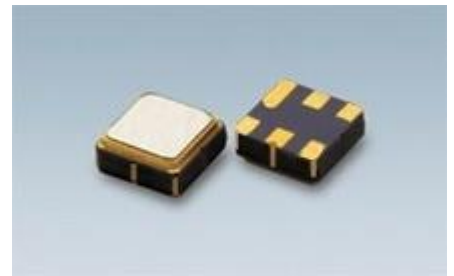
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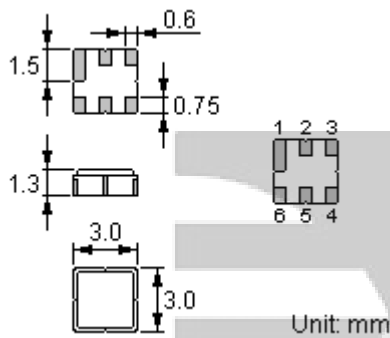
**Features**

- 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\*  
.3142

- (1) Laser Marking
- (2) D: Manufacture's logo
- (3) SF: SAW Filter
- (4) 3142: 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 @ 433.0MHz~434.2 MHz	$I/L$	--	2.5	3.2	dB
Pass band Ripple @ 433.0MHz~434.2MHz			0.7	1.2	
Absolute Attenuation	$\alpha$				
0 ~418.50 MHz		50	--		dB
418.00~430MHz		30	--		dB
From 448MHz		35	--		dB
Source/ Load Impedance (Single ended)		50			$\Omega$

 **RoHS Compliant**
 **Electrostatic Sensitive Device**

  
 CHINA QUARTZ TECHNOLOGY