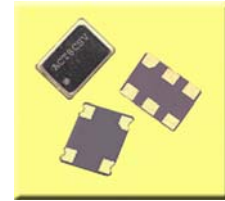


ACT8CSV - 4 & ACT8CSV-6

The ACT8CSV family consists of 4 and 6 pad miniature SMD Voltage Controlled Crystal Oscillators (VCXO) housed in a 7 x 5 mm ceramic package with a metal lid. Only 1.7mm high it is ideal for high density automatic assembly printed circuit boards. These devices can be pulled between ± 50 ppm & ± 150 ppm from the nominal frequency by varying the voltage on pin 1.

Applications include PLL circuits, Cellular / PCS Telephony, Set Top Box, MP3 Players, Audio/Video, Video Game Consoles, HDTV, SATCOM, GPS Receivers and many more.

Compatible with Eu Directive
2002/EC - RoHS



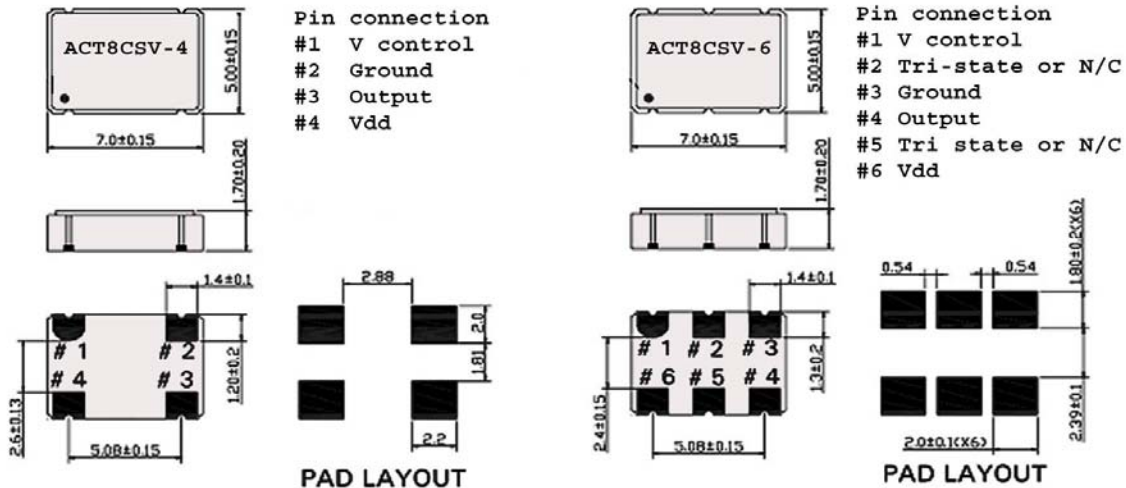
Specification

Parameter	Symbol	Specification		Condition
Frequency Range	f_o	1.5 ~ 80.00 MHz		Please specify
Supply Voltage	VDD	3.3VDC $\pm 5\%$	5.0VDC $\pm 5\%$ max	Please specify
Supply Current	I_{op}	10 ~ 25mA	15 ~ 35mA	Frequency dependant
Voltage Control	V_c	1.65VDC $\pm 1.65V$	2.5V $\pm 2.0V$	
Frequency Stability	$\Delta f/f_o$	Please refer to table 1		Please specify
Temp Operating Range	T_{opr}	Please refer to table 1		Please specify
Storage Temp Range	T_{stg}	-55 to 125°C		
Duty Cycle	T_w/t	40/60% standard & 45/55% option		Please specify
Rise & Fall Time	T_r/T_f	10nS max		
Output Logic		TTL / HCMOS		
Output Load	N/CL	10TTL / 15pF HCMOS		
Output Voltage	VOL	0.4VDC max (TTL), 10% VDD min (HCMOS)		
	VOH	2.4VDC max (TTL), 90% VDD min (HCMOS)		
Pulling Range	Δf_c	$\pm 50, \pm 60, \pm 75, \pm 80, \pm 100, \pm 130$ and ± 150 ppm others enquire		Please specify
Slope / Linearity	V_c	Positive / 10% standard 5% option		Please specify
Start Up Time	T_{osc}	10mS max		
Aging	F_a	± 5 ppm / year max		@25°C
6 PAD OPTION		Pin 2 & Pin 5 have the option of Tri-state or N/C. Cannot be the same option.		Please specify

Table 1

	+/-20ppm	+/-25ppm	+/-30ppm	+/-50ppm	+/-100ppm
-10+70°C	+	+	+	+	+
-20+70°C	+	+	+	+	+
-40+85°C		+	+	+	+

Dimensions (mm)



Pad surface material Au

Please note that all parameters can not necessarily be specified in the same device

Customer to specify: Frequency, Frequency Tolerance, Operating Temperature Range, Supply Voltage Linearity & Symmetry, 6 Pad pin option.

In line with our ongoing policy of product evolution and improvement, the above specification may be subject to change without notice

ISO9001:2000 Registered

For quotations or further information please contact us at:

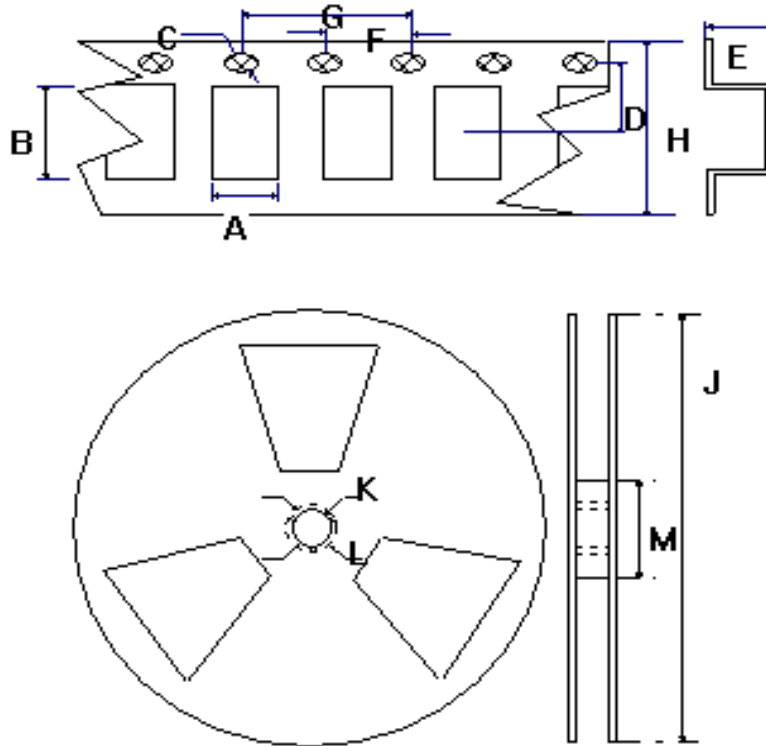
3 The Business Centre, Molly Millars Lane, Wokingham, Berkshire, RG41 2EY, UK

<http://www.actcrystals.com>

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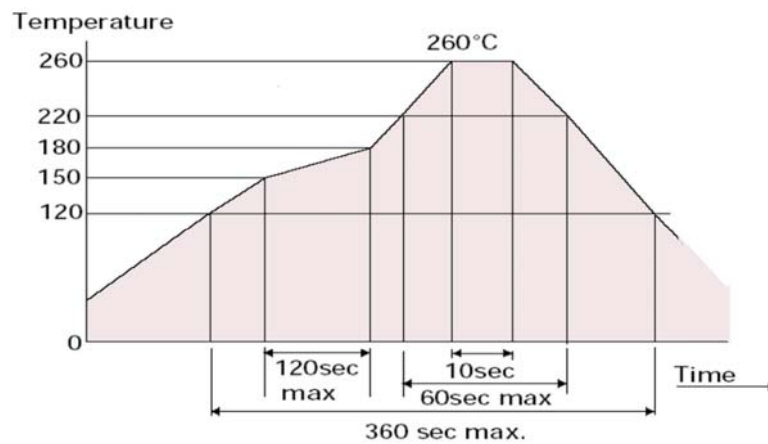
Date: 15/11/05

ACT8CSV - 4 TAPE AND REEL INFORMATION
STANDARD REEL SIZE 1000PCS



	A	B	C	D	E	F	G	H	J	K	L	M
ACT8CSV-4/6	5.3	7.5	1.5	7.5	1.8	4.0	8.0	16.0	178	13	23	60

Maximum re-flow profile



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