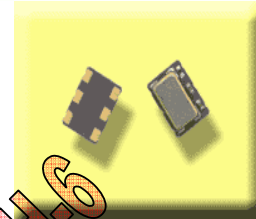


Compatible with Eu Directive
2002/EC - RoHS

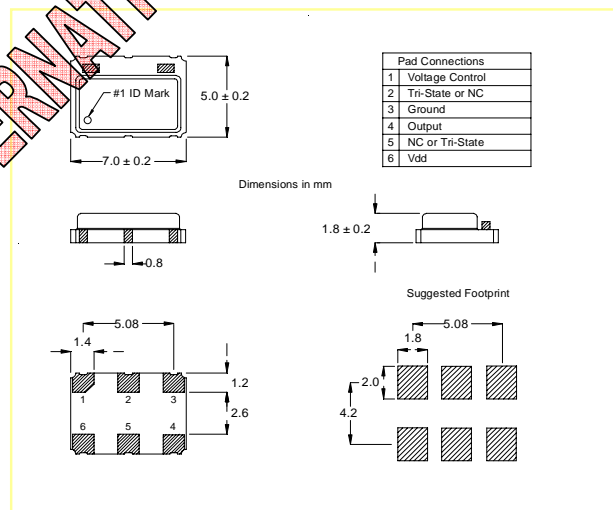
ACT9CSV- 6 HCMOS/TTL

The ACT9CSV-6 is a family of 6-pad miniature surface mount Voltage Controlled Crystal Oscillators (VCXO) housed in a 7 x 5 mm ceramic package with a metal lid. Only 1.8mm high it is ideal for high density, automatic assembly, printed circuit boards. These devices can be pulled between $\pm 50\text{ppm}$ & $\pm 150\text{ppm}$ from the nominal frequency by varying the voltage on pad 1. Applications include Networking, Telecomms, PLL Circuits, Set Top Box, Audio Visual and many other Consumer Applications



Specification

Parameter	Symbol	Specification	Condition
Frequency Range	f_0	1.80 ~ 160.00 MHz	
Temp Operating Range	T_{opr}	0 ~ +70°C & -40 ~ -85°C	Please specify
Storage Temp Range	T_{stg}	-55 to 125°C	
Frequency Stability	$\Delta f/f_0$	$\pm 20\text{ppm}$ ~ $\pm 100\text{ppm}$	Please specify
Supply Voltage	V_{dd}	3.3VDC $\pm 5\%$	
Supply Current (max)	I_{op}	20mA @ 1.80 ~ 24.0 MHz 30mA @ 26.0 ~ 90 MHz 40mA @ 90.0 ~ 160.0 MHz	
Duty Cycle	T_w/t	40/60% & 45/55%	Please specify
Rise & Fall Time	T_r/T_f	7nS max : 1.80 ~ 90.00 MHz 5nS max : 36.70 ~ 70.00 MHz 4nS max : 70.70 ~ 160.00 MHz	
Output Voltage	V_{OL} V_{OH}	0.4V _{DD} max (TTL), 10% V _{DD} max (HCMOS) 2.4V _{DD} min (TTL), 90% V _{DD} min (HCMOS)	
Voltage Control		1.65VDC $\pm 1.65V$	
Pulling Range	Δf_c	$\pm 50\text{ppm}$ ~ $\pm 150\text{ppm}$	
Aging	F_a	$\pm 5\text{ppm}$ / year max	



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

Customer to specify : Frequency, Frequency Tolerance, Operating Temperature Range, Pulling Range, Symmetry and Tri-state option (Pin 2 standard)

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

ISO9001:2000 Registered

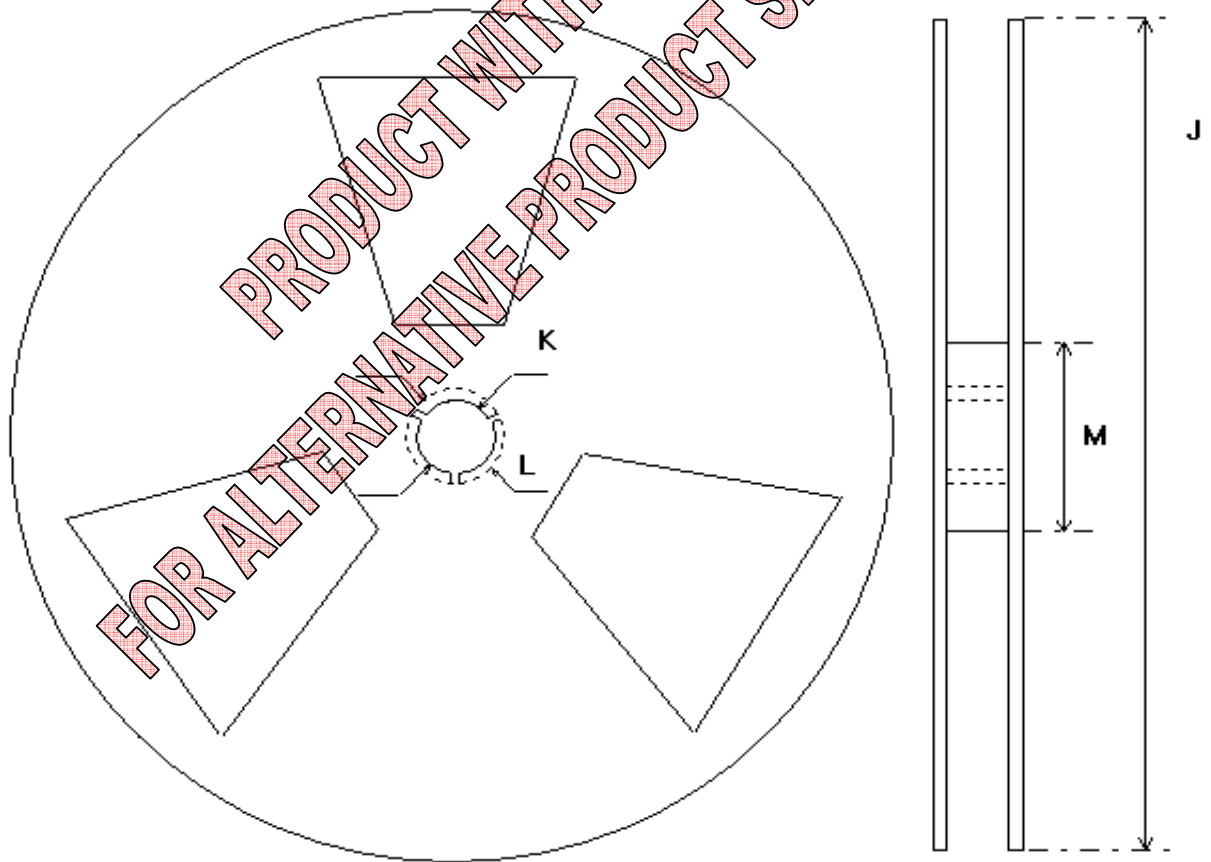
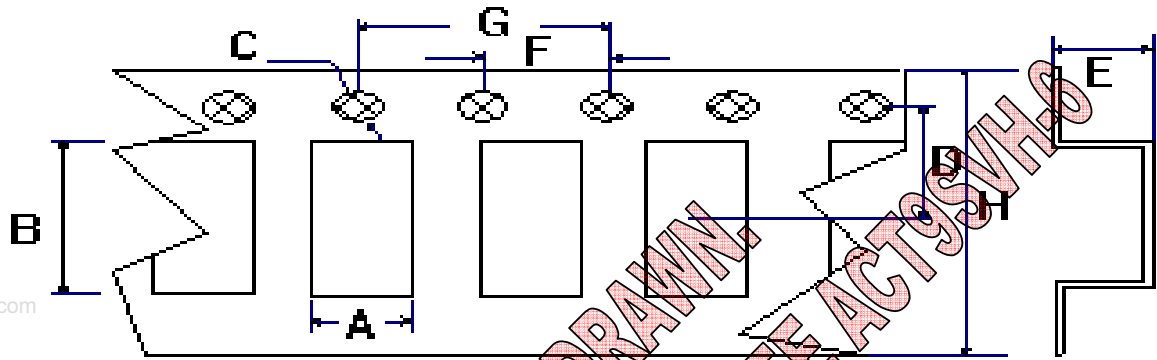
For quotations or further information please contact us at:

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

<http://www.actcrystals.com>

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ACT9CSV-6 TAPE AND REEL DIMENSIONS (mm)



	A	B	C	D	E	F	G	H	J	K	L	M
ACT9CSV-6	5.3	7.5	1.5	7.5	1.8	4.0	8.0	16.0	178	13	23	60

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

Customer to specify : Frequency, Frequency Stability, Operating Temperature Range, Symmetry, Output type & Minimum Pulling Range

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

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