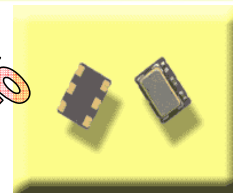


## ACT9CSV- 6 LVPECL/LVDS

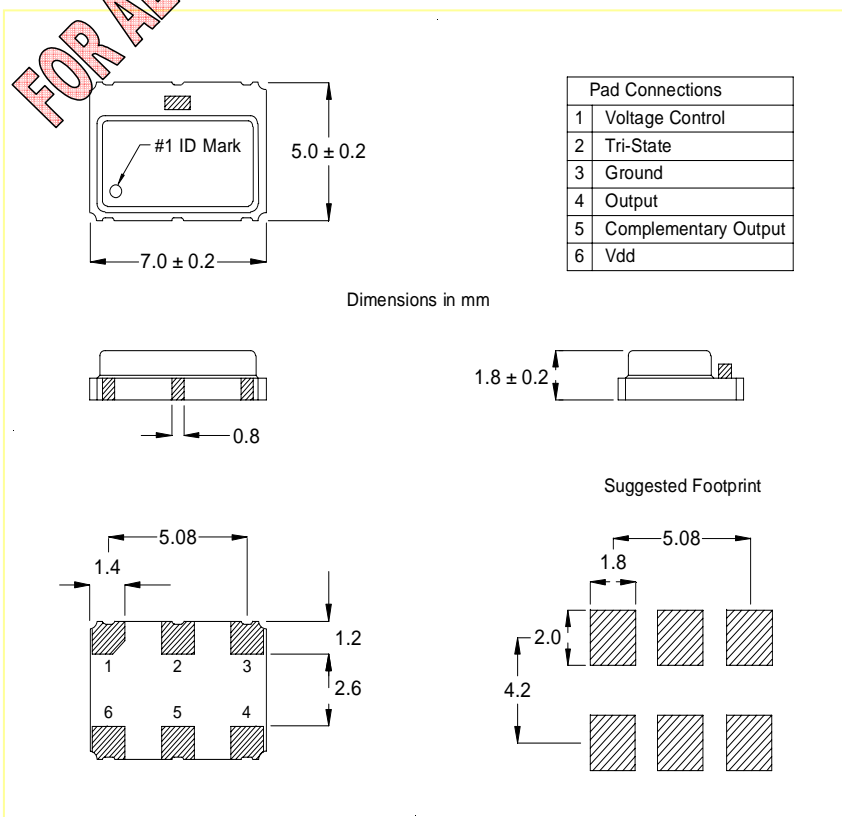
Compatible with Eu Directive  
2002/EC - RoHS

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 they are ideal for high density automatic assembly printed circuit boards. These devices can be pulled between  $\pm 50$ ppm &  $\pm 150$ 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	Options
Frequency Range	fo	25.00 ~ 650.00 MHz	Please specify
Temp Operating Range	Topr	0 ~ +70°C & -40 ~ +85°C	Please specify
Storage Temp Range	Tstg	-55 to 125°C	
Frequency Stability	$\Delta f/f_0$	$\pm 20$ ppm ~ $\pm 100$ ppm	Please specify
Supply Voltage	Vdd	3.3Vdc $\pm 5\%$	
Supply Current (max)	Iop	85mA - 25.0 ~ 650.0 MHz LVPECL 95mA - 167.0 ~ 300.0 MHz LVPECL 100mA - 301.0 ~ 650 MHz LVPECL 45mA - 25.0 ~ 100.0 MHz LVDS 70mA - 301.0 ~ 650.0 MHz LVDS	
Duty Cycle	Tw/t	40/60% (Vdd -1.3Vdc, LVPECL), Vcc -1.25Vdc, LVDS)	Please specify
Rise & Fall Time	Tr/Tf	0.6ns max @ 20 / 80%	
Output Load		50 $\Omega$ into Vdd -2.0Vdc (LVPECL), 100 $\Omega$ differential load (LVDS)	
Output Voltage	VOL	Vdd -1.620Vdc max (LVPECL), 1.1925Vdc max (LVDS)	
	VOH	Vdd -1.025Vdc max (LVPECL), 2.1750Vdc min (LVDS)	
Voltage Control	Vc	1.65Vdc $\pm 65$ mV	
Pulling Range	$\Delta f_c$	$\pm 50$ ppm ~ $\pm 150$ ppm	
Jitter		70ps - RMS max	
Aging	Fa	$\pm 3$ ppm / year max	



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

ISO9001:2000 Registered

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