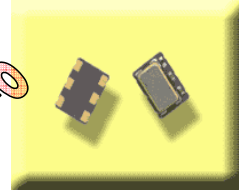


ACT9CSV- 6 LVPECL/LVDS

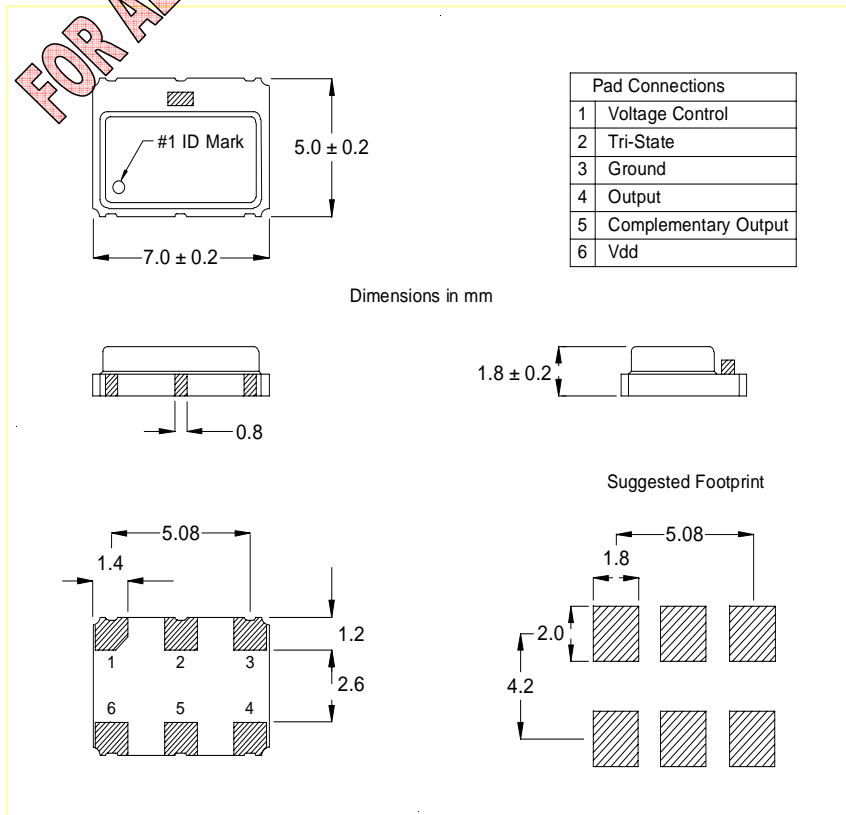
Compatible with Eu Directive
2002/EC - RoHS

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 $\pm 50\text{ppm}$ & $\pm 150\text{ppm}$, 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	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	$\Delta f/f_0$	$\pm 20\text{ppm}$ ~ $\pm 100\text{ppm}$	Please specify
Supply Voltage	Vdd	3.3Vdc $\pm 5\%$	
Supply Current (max)	Iop	85mA - 25.0 ~ 100.0 MHz LVPECL 95mA - 167.0 ~ 300.0 MHz LVPECL 100mA - 301.0 ~ 650 MHz LVPECL 45mA - 25.0 ~ 100.0 MHz LVDS 70mA - 101.0 ~ 650.0 MHz LVDS	
Duty Cycle	Tw/t	49.50% (Vdd -1.3Vdc, LVPECL), Vcc -1.25Vdc, LVDS)	Please specify
Rise & Fall Time	Tr/Tf	0.6ns max @ 20 / 80%	
Output Load		50 Ω into Vdd -2.0Vdc (LVPECL), 100 Ω 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 ~ 6.5V	
Pulling Range	Δf_c	$\pm 50\text{ppm}$ ~ $\pm 150\text{ppm}$	
Jitter		70ps - RMS max	
Aging	Fa	$\pm 3\text{ppm}$ / 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

For quotations or further information please contact us at:
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