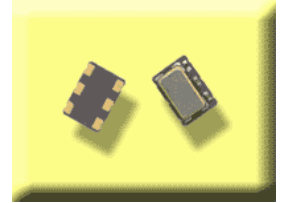
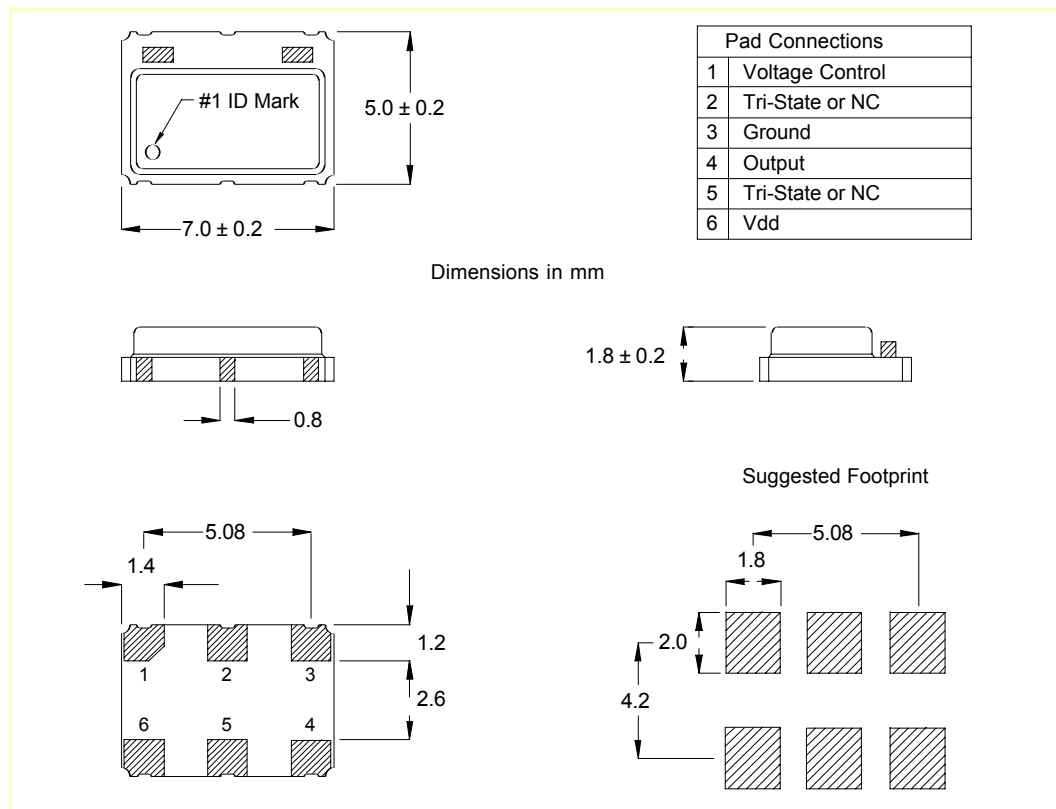


ACT9CSV - 6 HCMOS/TTL

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 tuned between $\pm 50\text{ppm}$ & $\pm 150\text{ppm}$ from the nominal frequency by varying the voltage on pad 1.



Parameter	Symbol	Specification	Condition
Frequency Range	f_o	1.80 ~ 160.00 MHz	
Temp Operating Range	T_{opr}	0 to +70°C & -40 ~ +85°C	Please specify
Storage Temp Range	T_{stg}	-55 to 125°C	
Frequency Stability	$\Delta f/f_o$	$\pm 20\text{ppm}$ ~ $\pm 100\text{ppm}$	
Supply Voltage	V_{dd}	$3.3V_{DC} \pm 5\%$	
Supply Current (max)	I_{op}	20mA - 1.80 ~ 24.0 MHz 30mA - 25.0 ~ 90.0 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 ~ 36.00 MHz 5nS max : 36.10 ~ 70.00 MHz 4nS max : 70.10 ~ 160.00 MHz	
Output Voltage	V_{OL} V_{OH}	$0.4V_{DC}$ max (TTL), 10% V_{DD} max (HCMOS) $2.4V_{DC}$ min (TTL), 90% V_{DD} min (HCMOS)	
Voltage Control	V_c	$1.65V_{DC} \pm 1.65V$	
Pulling Range	Δf_c	$\pm 50\text{ppm}$ ~ $\pm 150\text{ppm}$	
Aging	F_a	$\pm 5\text{ppm}$ / year max	



ISO9002 Registered - Registration number 6830/2

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