



ACT1525CV/AV VCTCXO

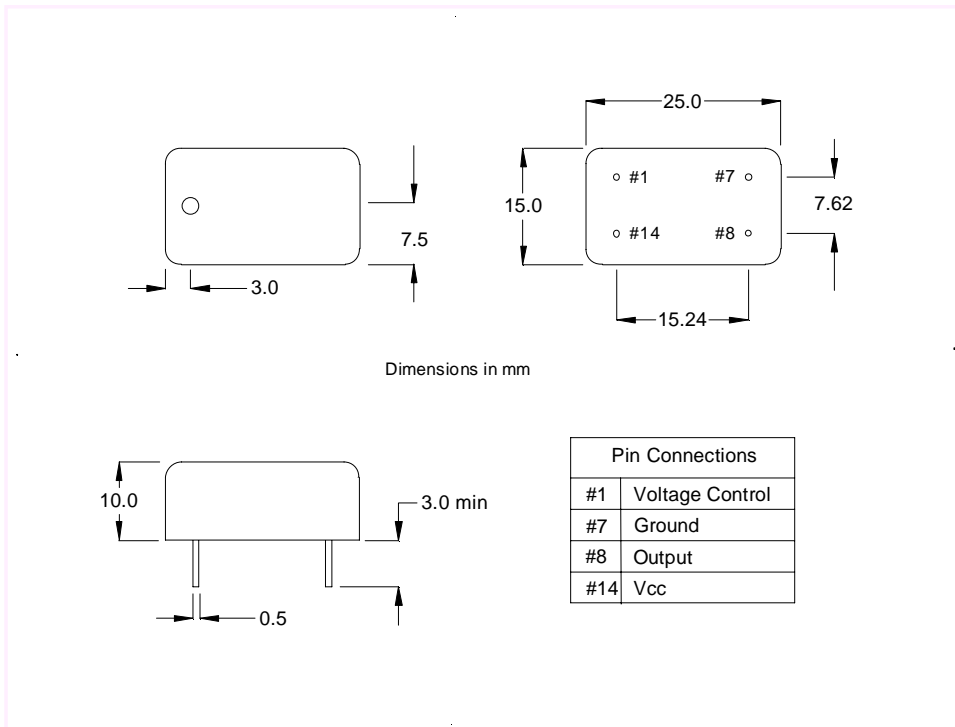
The **ACT1525CV** family is a range of HCMOS Voltage Controlled Digitally Compensated Crystal Oscillators whereas the **ACT1525AV** family is a range of AHCMOS DVCXOs. Whilst operating, the oscillator frequency is adjusted to cancel out the change due to temperature. A microcontroller performs the elaborate control algorithm which is individually calibrated to each crystal. Voltage adjustment is provided to compensate for aging.



Specification

Parameter	Symbol	Specification		Condition
		HCMOS	AHCMOS	
Frequency Range	fo	1.0 ~ 20.00 MHz	20.00 ~ 70.00MHz	Please specify
Temp Stability	Ts	See table		Please specify
Temp Operating Range	Top	See table		Please specify
Supply Voltage	VCC	5.0Vdc ±5%, 3.3V±5%		Please specify
Supply Current max	Iop	10mA	30mA	
Control Voltage		0 ~ 95% VCC		
Duty Cycle	Tw/t	45/55%		
Rise & Fall Time	tr/tf	5nSec	3nSec	
Adjustment min		±10ppm	±5ppm	

	Temperature / Stability		
	0°C ~ 50°C	-10°C ~ 60°C	-20°C ~ 70°C
±0.3ppm	✓	✓	
±1ppm	✓	✓	✓
±2ppm	✓	✓	✓
±3ppm	✓	✓	✓



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

Customer to specify : Frequency, Frequency Stability, Operating Temperature Range, Voltage, Duty Cycle & Polarity

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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