

# OVEN CONTROLLED CRYSTAL OSCILLATORS

## OC600



### FEATURES

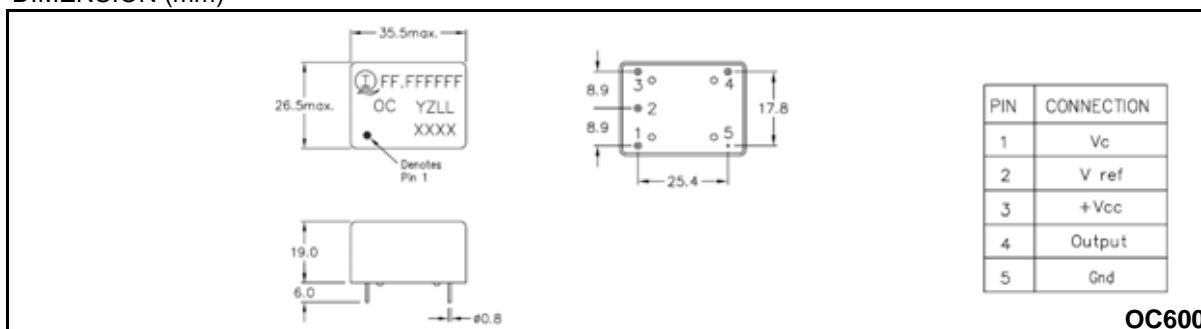
SC / AT-Cut Crystal  
High precision  
Low aging  
Low phase noise



Item	Specifications		
	660	670	680
Frequency Range	4.0MHz ~ 30.0MHz		
Standard Frequency	10.0MHz	4.096MHz	4.096MHz
	13.0MHz	5.0MHz	5.0MHz
	26.0MHz	8.192MHz	10.0MHz
	-	10.0MHz	16.384MHz
	-	13.0MHz	-
Long Term Stability Per Year	$\pm 5 \times 10^{-8}$ Max	$\pm 3 \times 10^{-7}$ Max	$\pm 3 \times 10^{-7}$ Max
Short Term Stability <small>Allan Var. for Tau= 1 sec</small>	$\pm 5 \times 10^{-11}$ Max	$\pm 5 \times 10^{-10}$ Max	$\pm 5 \times 10^{-10}$ Max
Frequency Stability			
vs Operating Temperature	$\pm 1.5 \times 10^{-8}$ Max	$\pm 2 \times 10^{-7}$ Max	$\pm 1 \times 10^{-7}$ Max
vs Load Variation $\pm 10\%$ (50 $\Omega$ Load)	$\pm 5 \times 10^{-9}$ Max	$\pm 5 \times 10^{-9}$ Max	$\pm 5 \times 10^{-9}$ Max
vs Supply Voltage Variation $\pm 10\%$	$\pm 3 \times 10^{-10}$ Max	$\pm 3 \times 10^{-10}$ Max	$\pm 3 \times 10^{-10}$ Max
Operating Temperature	-10°C to +70°C	-10°C to +70°C	-10°C to +70°C
Storage Temperature	-55°C to +85°C	-55°C to +85°C	-55°C to +85°C
Frequency Adjustment	$\pm 3$ ppm	$\pm 3$ ppm	$\pm 3$ ppm
Supply Voltage	12Vdc $\pm 10\%$	12Vdc $\pm 10\%$	5Vdc $\pm 10\%$
Current Consumption at 25°C	220mA Max.	220mA Max.	220mA Max.
Current Consumption at Warm Up	400mA Max.	400mA Max.	400mA Max.
Output Signal	HCMOS		
Warm Up Time (Within $1 \times 10^{-7}$ )	3 Min Max.	3 Min Max.	3 Min Max.
Phase Noise	10Hz	-110dBc/Hz	
	100Hz	-125dBc/Hz	
	1KHz	-135dBc/Hz	
	10KHz	-145dBc/Hz	
	100KHz	-150dBc/Hz	
Shock	175g		
Vibration	1-500Hz, 10g		
Humidity	98% at +35°C		

Please consult our sales representatives for other specifications.

### DIMENSION (mm)



OC600

All specifications are subject to change without notice.



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