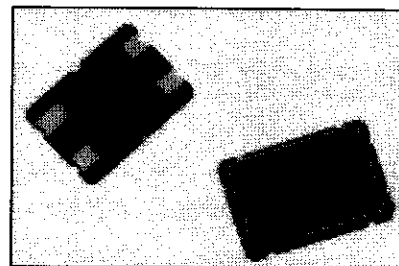


# SURFACE MOUNT CRYSTAL CLOCK OSCILLATORS

## AE 803 SERIES 3.3 VOLTS E/D

ANDERSON ELECTRONICS AE 803 SERIES OSCILLATORS AVAILABLE IN 3.3 VOLTS OPERATION TO INCREASE BATTERY LIFE, REDUCED HEAT LOAD AND IMPROVE EMI. THESE UNITS CAN BE USED IN DESIGNS FOR LOW POWER APPLICATIONS.



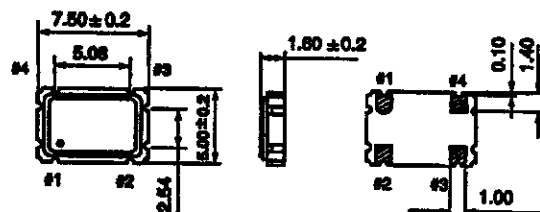
### ELECTRICAL SPECIFICATIONS

DEVICE SERIES	AE803LV	
FREQUENCY RANGE	1.000 to 70.000 MHz	
OUTPUT	HCMOS/TTL	
OUTPUT LOAD	15 pF / 10 TTL	
OPERATING TEMPERATURE	10 to +70C STANDARD -40 to +85C OPTIONAL	
STORAGE TEMPERATURE	-55 TO +125C	
FREQUENCY STABILITY *	+/- 100 PPM STANDARD +/- 50 PPM & +/- 25 PPM OPTIONAL	
SUPPLY VOLTAGE (Vdd)	+ 3.3VDC +/- 10%	
INPUT CURRENT	1.800 MHz to 32.000 MHz	10 mA Max
	32.001 MHz to 50.000 MHz	18 mA Max
	50.001 MHz to 70.000 MHz	20 mA Max
SYMMETRY (DUTY CYCLE)	40/60 STANDARD 45/55 OPTIONAL	
RISE & FALL TIME	5 nS MAX	
OUTPUT "0" LEVEL	0.33V MAX	
OUTPUT "1" LEVEL	2.97V MIN	
STAND-BY CURRENT	10uA	
START-UP TIME	10 mS Max	
ENABLE/DISABLE FUNCTION**	'1' LEVEL > 0.7 V '0' LEVEL < 0.3 V	

\* Inclusive of operating temperature range, calibration, input voltage change, load change, aging, shock and vibration.

\*\* Pin #1 has internal pull-up resistor which allows pin 1 to be left floating. This is enable high.

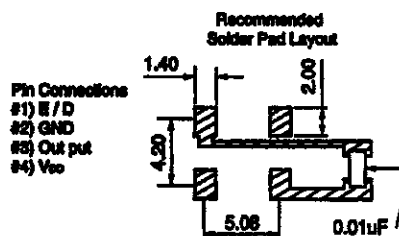
ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE



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TEL: 814-695-4428  
FAX: 814-696-0403  
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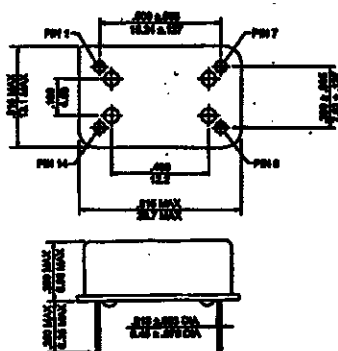


CONTACT FACTORY FOR YOUR SPECIAL REQUIREMENTS

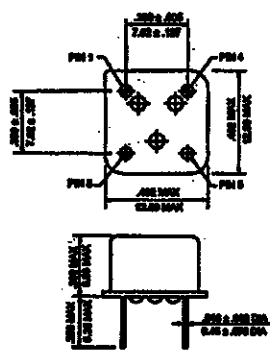
# OSCILLATOR PART NUMBER GUIDE

Anderson Electronics oscillators can be ordered in a variety of holders and tolerances. By simply following the chart below you can select the part number for your application. All of the options must be specified.

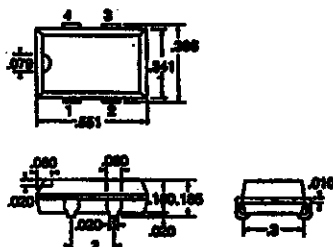
## FULL SIZE



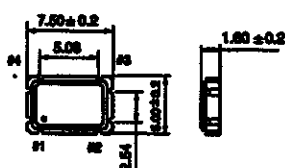
## HALF SIZE



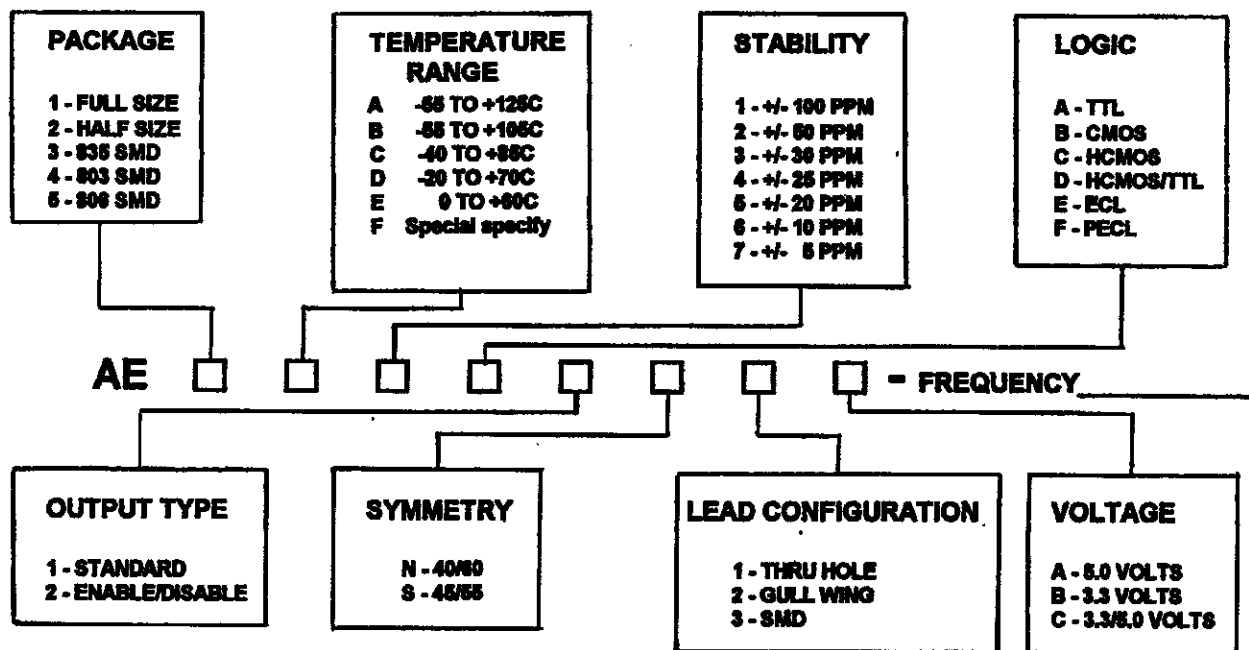
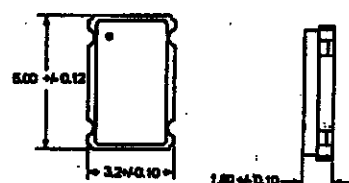
## 835 SMD



## 803 SMD



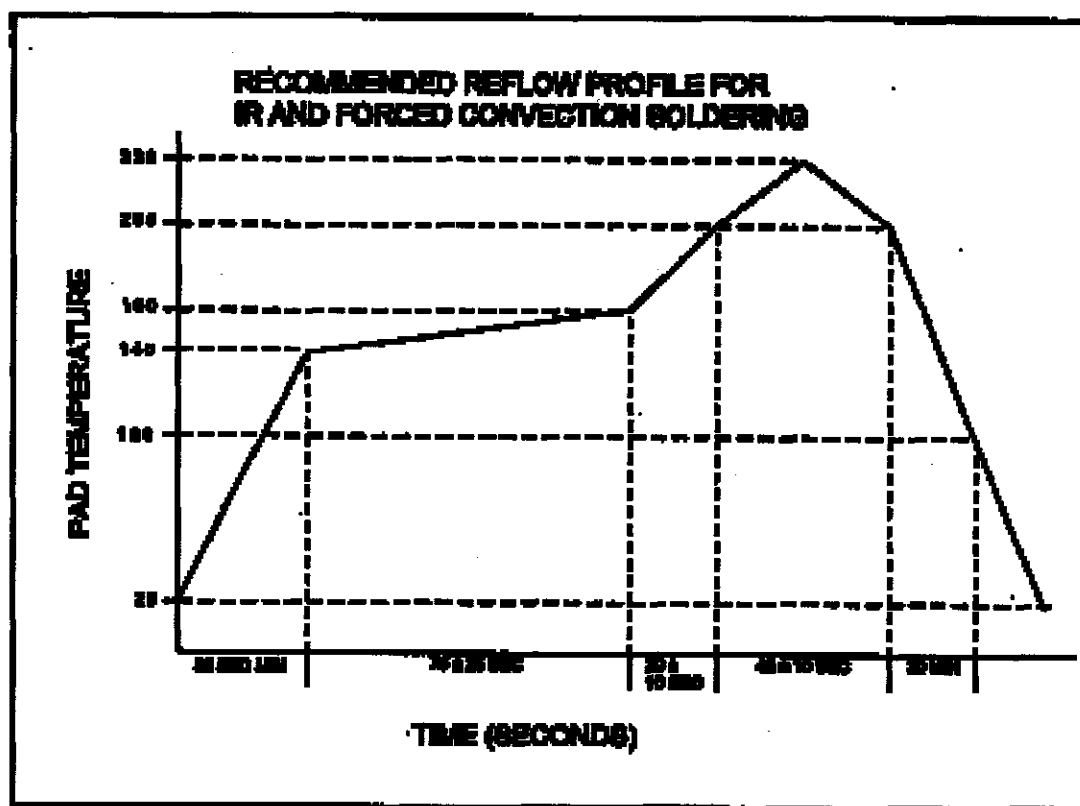
## 806 SMD



# SOLDERING PROFILE



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