

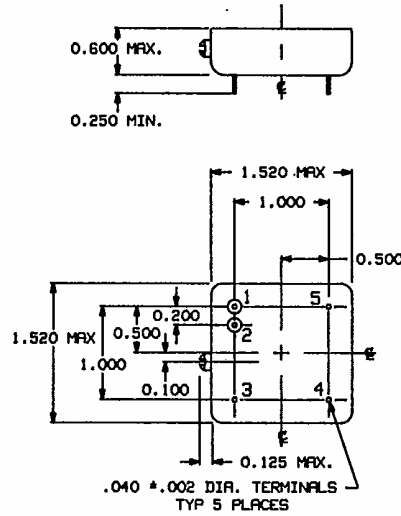


**MCCOY**  
FREQUENCY CONTROL  
PRODUCTS

**M579-X-X SERIES  
OVENIZED OSCILLATORS  
3 - 15 MHZ**

**FEATURES**

- \* MINIATURE SIZE.
- \* FAST WARM-UP.
- \* LOW POWER CONSUMPTION.
- \* TTL OUTPUT.
- \* OVEN PERFORMANCE IN A TCXO PACKAGE.



- PIN FUNCTIONS**
1. B+
  2. RF OUTPUT
  3. 0 VDC/CASE GROUND
  4. CASE GROUND
  5. CASE GROUND

**GENERAL DESCRIPTION**

THE M579 SERIES INCORPORATES HYBRID AND SURFACE MOUNT MANUFACTURING TECHNIQUES TO ACHIEVE MINIATURE SIZE. FREQUENCY STABILITY IS GREATLY IMPROVED OVER A TCXO OF COMPARABLE SIZE.

**ELECTRICAL SPECIFICATIONS**

- SUPPLY VOLTAGE:** +12 V +/- 5%.
- OVEN POWER:** 8 WATTS MAXIMUM AT TURN ON, 1.8 WATTS MAXIMUM AT 25 DEGREES C.
- OUTPUT LEVEL:** TTL TO DRIVE 3 LOADS.
- PHASE NOISE:** -100 DBC AT 100 HERTZ.
- WARM-UP:** TO WITHIN +/- 0.5 PPM OF FINAL FREQUENCY IN 5 MINUTES AT 25 DEGREES C.
- ENVIRONMENTALS:** DESIGNED TO MEET SPECIFIED REQUIREMENTS OF MIL-STD-202.  
CONSULT FACTORY FOR PARTICULAR INFORMATION.

FREQUENCY RANGE	3 TO < 10 MHZ		10 TO 15 MHZ	
CRYSTAL TYPE	FUNDAMENTAL		3RD OVERTONE	
TRIM RANGE	+/- 4.0 PPM MIN.		+/- 2.5 PPM MIN.	
AGING @ SHIPPING	1 X 10 <sup>-8</sup> PER DAY		5 X 10 <sup>-9</sup> PER DAY	
AGING @ 1 YEAR	1 X 10 <sup>-6</sup>		5 X 10 <sup>-7</sup>	
VOLTAGE STABILITY	5 X 10 <sup>-8</sup> /%		1 X 10 <sup>-8</sup> /%	
TEMPERATURE RANGE				
0 TO +70 DEGREES C.	M579-1-1	+/- 0.3 PPM	M579-2-4	+/- 0.25 PPM
-20 TO +70 DEGREES C.	M579-1-2	+/- 0.4 PPM	M579-2-5	+/- 0.30 PPM
-55 TO +85 DEGREES C.	M579-1-3	+/- 0.6 PPM	M579-2-6	+/- 0.45 PPM

ORDERING INFORMATION: Specify model number and frequency.  
Contact factory for information on available options.



**MCCOY ELECTRONICS COMPANY**

A SUBSIDIARY OF OAK INDUSTRIES INC.  
WATTS STREET, P.O. BOX B, MT. HOLLY SPRINGS, PA. 17065  
PHONE 717-486-3411 TWX 510-650-3548 FAX 717-486-5920