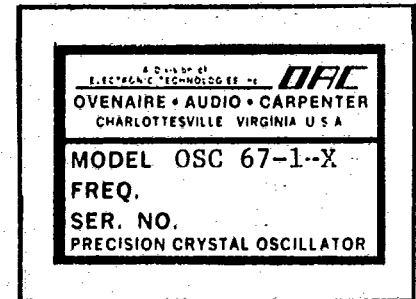
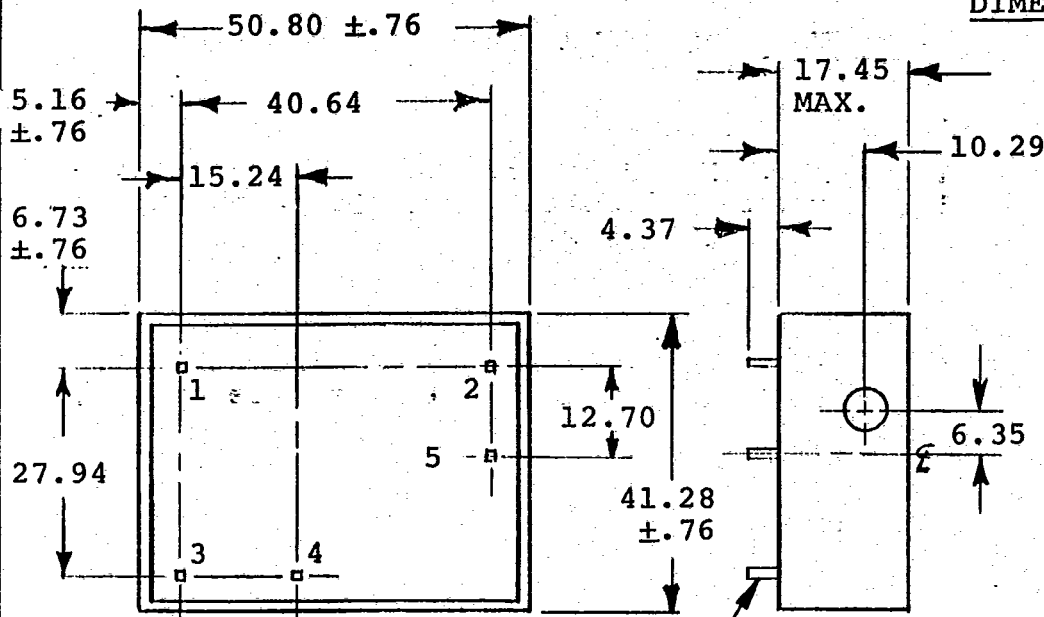


T-50-09

DIMENSIONS IN MILLIMETERS



.63 SQ. PINS
GOLD PLATED
5 PLACES
MAT'L, PHOSPHOR BRONZE

NO PCB SOLDER
BUILD UP PERMITTED
BEYOND EDGE OF COVER.

MM	INCHES
.63	.025
.76	.030
4.37	.172
5.16	.203
6.35	.250
6.73	.265
10.29	.405
12.70	.500
15.24	.600
17.45	.687
27.94	1.100
40.64	1.600
41.28	1.625
50.80	2.000

PIN CONNECTIONS

1. OSCILLATOR OUTPUT.
2. OSC & RF RETURN (0VDC)
3. +12 VDC
4. + VDC
5. N.C.

ovenaire

CHARLOTTESVILLE, VIRGINIA

NAME CATALOG
PCB MOUNT TCXO

SHT 1 OF 2

OSC 67-1 SERIES

TOLERANCES

UNLESS OTHERWISE SPECIFIED { MILLIMETERS ± 0.38
ANGLES
INCH DEC ± 0.015

SCALE 1:1

DWN M.W. 10-18-77

APP'D DAG 10-18-77

MATERIAL: CASE PLASTIC

MARKING: DECAL OR
EPOXY INK

FINISH: NONE

SHT. 1 OF 2	OSC 67-1 SERIES				
B	NEW DECAL ADDED.	TNT	2/85		
A	REDRAWN, METRIC ADDED	MLW	10-18-77		
LET	REVISION	BY	DATE		

T-50-09

LOW-COST PLASTIC CASE TCXOA. GENERAL

This unit is a compact TCXO, less than 2.3 cubic inches, featuring a glass crystal and excellent long term stability with logic output. The oscillator is housed in a plastic cover.

B. OUTPUT CHARACTERISTICS

1. Frequency and Part Number: See table below
2. Output Level: "0" Level +0.4 VDC maximum at 5 mA sink current
"1" Level +4.0 VDC minimum at 1 mA source current
3. Wave Form: Square wave
4. Load: TTL Compatible
5. Rise Time: 30 nanoseconds typical
6. Fall Time: 15 nanoseconds typical
7. Duty Cycle: 40/60 to 60/40 at +2.4 VDC Level

C. FREQUENCY STABILITY

1. Part Numbers	OSC 67-1-1	OSC 67-1-2
2. Frequency Range (MHz)	2 to 8	2 to 8
3. Aging after 60 days (typ.)	1 x 10 ⁻⁶ per year	
4. Ambient Range 0°C to +55°C	±2 x 10 ⁻⁶ REF +25°C	±1 x 10 ⁻⁶ REF +25°C
5. Supply Voltage Variation	2.5 x 10 ⁻⁷ per 2%	2 x 10 ⁻⁷ per 2%

D. FREQUENCY ADJUSTMENT

1. Control: Piston type with screwdriver slot
2. Range: ± 5 x 10⁻⁶ minimum (sufficient for 5 years)
3. Resolution: ± 5 x 10⁻⁸ typical

E. POWER INPUT

1. Oscillator Supply: +12.0 VDC ± 5% with 2% regulation
@ 15 milli-amp maximum
2. Logic Output Supply: +5 VDC ± 5% at 10 milli-amp typical

SHT. 2 OF 2 OSC 67-1 SERIES					ovenaire CHARLOTTESVILLE, VIRGINIA		
B	REV. TO SHT. 1.	TNT	2/85	NAME	SHT 2 OF 2		
A	REV "D" & RETYPED	MB	10-18	CATALOG	TCXO		
LET	REVISION	BY	DATE	TOLERANCES	SCALE		
				UNLESS OTHERWISE SPECIFIED {	DOWN	d.h.	10-18-
				MILLIMETERS ±	APP'D	MS	10-18-77
				ANGLES	MARKING:		
				INCH DEC ±			
				MATERIAL:			
				FINISH:			