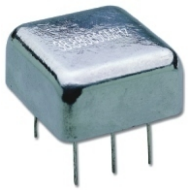
A Type OCXO

ROHS Compliant Standard

TACT 泰和特

FEATURE

1、25.4×25.4×12.7 mm standard package
2、AT-cut. Crystal
3、HCMOS/TTL Output.



DRDERING INFORMATION

N □ □ □ □ □ □

Enclosure
A:25.4×25.4×12.7mm
B:50.0×50.0×30.0mm
C:67.0×67.0×30.0mm
D:85.0×85.0×40.0mm

Power Voltage
T:5.0V through Hole
E:3.3V through Hole
G:5.0V Gull wing
F:3.3V Gull wing
A:12.0V through Hole
B:12.0V Gull wing

Pulling Range
A:0.1ppm 0.5V~4.5V
B:0.3ppm 0.5V~4.5V
C:0.5ppm 0.5V~4.5V
D:1.0ppm 0.5V~4.5V
E:5.0ppm 0.5V~4.5V
F:5.0ppm 0.0V~2.5V
I:0.1ppm 0.0V~10.0V
J:0.3ppm 0.0V~10.0V
K:0.5ppm 0.0V~10.0V
L:1.0ppm 0.0V~10.0V
M:5.0ppm 0.0V~10.0V
N:No Voltage Control Function

Temperature Range
B:0℃ to +50℃
C:0℃ to +70℃
D:-30℃ to +70℃
G:-20℃ to +65℃
L:-40℃ to +85℃

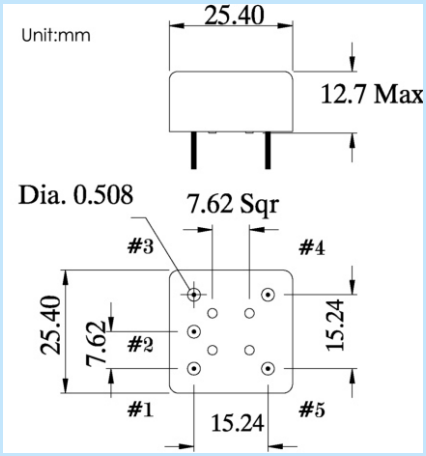
Output Waveform
A:TTL 15pf, 50±5%（45/55）
A:TTL 15pf, 50±10%（45/60）
J:CMOS 15pf, 50±5%（45/55）
K:CMOS 15pf, 50±10%（40/60）
E:TTL 50pf, 50±5%（45/55）
R:TTL 50pf, 50±10%（40/60）
F:CMOS 50pf, 50±5%（45/55）
G:CMOS 50pf, 50±10%（40/60）
S:Clipped 50±10%（40/60）
K:Sine Wave

Frequency Stability
A:5.0ppb B:10ppb C:20ppb
D:25ppb E:30ppb F:40ppb
G:50ppb H:100ppb I:200ppb
J:80ppb K:500ppb L:1ppb P:15ppb

OCXO

SPECIFICATION

Standard Frequency(MHz)		38.88MHz	
Type		A	
Type of Crystal cut		AT-cut	
Frequency Stability	Vs. Operating Temp.	＜±200ppb	
	Vs. Supply voltage.	＜±500ppb at vs ±5%	
	Vs. Load Change.	＜±500ppb for ±5% of loading condition change	
Aging after 30 days of operation.			
Daily.		＜±2ppb	
First year.		＜±500ppb	
Ten years.		＜±3.0ppb	
Allan Variance.		＜1ppb at 1sec	
After warm-up time.		＜5Minutes	
Frequency tuning range.		＞±5ppb	
Control voltage range.		+5v:1.25v DC±1.25v	+5v:2.5v Dc±2v
Slope		Positive	
RF Output:			
Signal		HCMOS	
Load		10KΩ//15pF±5%	
Rise and Fall time		＜4ns(10% to 90%)	
Duty cycle		45% to 55%	
Supply voltage			
Supply voltage(vs)		5vDC±5%	
Current consumption		＜200mA at 25℃	
During warm-up		＜700mA	
Phase Noise:			
Condition		1Hz	100Hz	10KHz
Value		＜-60dBc/Hz	＜-115dBc/Hz	＜-145dBc/Hz
Operable Temperature Range		-30℃ ~ +70℃		
Storage Temperature Range		-40℃ ~ +85℃		



PIN	FUNCTION
#1	VDD
#2	OUTPUT
#3	VC
#4	GND/CASE
#5	N/C.