

ASO75C CMOS / ASO75T TTL Compatible

5.0 Volt 7x5mm Surface Mount Ceramic Crystal Oscillator

Applications:

- PCMCIA Card
- Notebook PC
- Portable PC
- HDD
- OA Terminal
- CCD
- Digital Camera
- Wireless LAN

FEATURES

- Seam Seal
- Excellent Solderability
- Tri-State
- CMOS / TTL Compatible
- Low Power Consumption
- RoHS Compliant

SPECIFICATION

MODEL		ASO75C	ASO75T
Frequency Range	MHz	0.500 ~ 100.000	
Frequency Stability*	ppm	±20 ~ ±100	
Temperature Range			
Operating Temp	°C	-10 to +70	-10 to +70
Storage Temp	°C	-55 to +125	-55 to +125
Power Supply Voltage	VDC	+5.0 ± 10%	+5.0 ± 10%
Output Level		CMOS	TTL
Output Symmetry	%**	40~60 (at 50% VDD)	40~60 (at 1.4 VDC)
Input Current			
0.5~9.99MHz	mA (Max.)	10	15
10~19.99MHz		15	20
20~31.99MHz		25	30
32~49.99MHz		35	40
50~79.99MHz		50	50
80~99.99MHz		60	60
100~156MHz		80	80
Rise / Fall Time			
0.5~31.99MHz	nS (Max.)	10	10
32~49.99MHz		6	5
50~79.99MHz		5	5
80~99.99MHz		5	5
100~156MHz		4	4
Output Load		15pF (50pF)	10 TTL
Aging	ppm/Year	±3	±3

* Inclusive of 25°C ± 3°C & Operating Temperature Range.

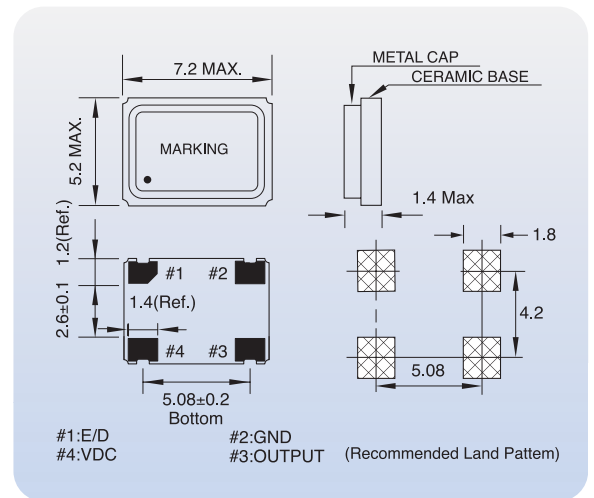
** Symmetry of 45~55% is available.

PART NUMBERING GUIDE

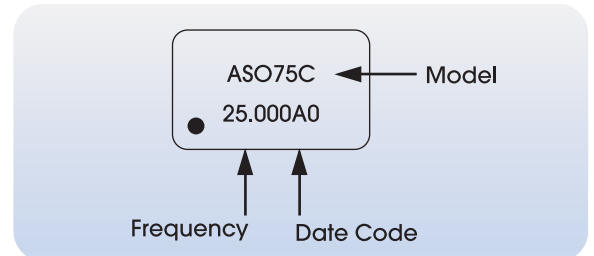
Example: ASO75C-25M-F2T

MODEL	Frequency	Stability	OP Temp Range	Tristate
ASO75C	In MHZ	C: ±20ppm	1: 0 to +70°C	T: Tristate
ASO75T		D: ±25ppm	2: -10 to +70°C	N: Non-Tristate
		E: ±30ppm	3: -20 to +70°C	
		F: ±50ppm	4: -20 to +80°C	
		G: ±100ppm	5: -40 to +85°C	
		O: Others	6: -40 to +105°C	
			0: Others	

DIMENSION (mm)



MARKING RULE



ENABLE / DISABLE FUNCTION

INH (# 1)	OUTPUT (# 3)
HIGH (Open)	Operating
Low	High impedance