

SWISSDIS



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SPECIFICATIONS

Oscillators CMOS

ASO53C

Version September 2011



ASO53C CMOS Compatible

3.3 Volt 5x3.2mm 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 Compatible
- Low Power Consumption
- RoHS Compliant

SPECIFICATION

MODEL		ASO53C
Frequency Range	MHz	0.500 ~ 156.000
Frequency Stability*	ppm	±20 ~ ±100
Temperature Range		
Operating Temp	°C	-10 to +70
Storage Temp	°C	-55 to +125
Power Supply Voltage	VDC	+3.3 ± 10%
Output Level		CMOS
Output Symmetry	%**	40~60 (at 50% VDD)
Input Current		
0.5~9.99MHz	mA (Max.)	7
10~19.99MHz		7
20~31.99MHz		12
32~49.99MHz		20
50~79.99MHz		25
80~99.99MHz		30
100~156MHz	40	
Rise / Fall Time		
0.5~31.99MHz	nS (Max.)	10
32~49.99MHz		10
50~79.99MHz		8
80~99.99MHz		5
100~156MHz		4
Output Load		15pF (50pF)
Aging	ppm/Year	±3

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

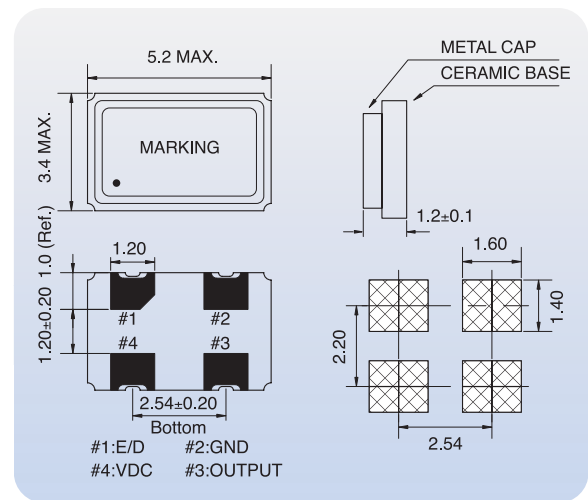
** Symmetry of 45~55% is available.

PART NUMBERING GUIDE

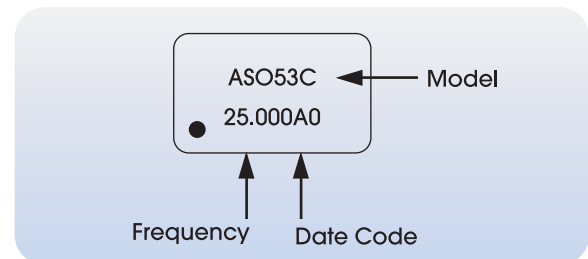
Example: ASO53C-25M-F2T

MODEL	Frequency	Stability	OP Temp Range	Tristate
ASO53C	In MHZ	C: ±20ppm D: ±25ppm E: ±30ppm F: ±50ppm G: ±100ppm O: Others	1: 0 to +70°C 2: -10 to +70°C 3: -20 to +70°C 4: -20 to +80°C 5: -40 to +85°C 6: -40 to +105°C 0: Others	T: Tristate N: Non-Tristate

DIMENSION (mm)



MARKING RULE



ENABLE / DISABLE FUNCTION

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