

ASO31R / ASO32R / ASO33R CMOS Compatible

1.8 Volt, 2.5 Volt and 3.3 Volt 3.2x2.5mm
Surface Mount Ceramic Programmable Crystal Oscillator

Applications:

- MP3/MP4
- Mobile Phone
- Digital Camera

Features

- Wide frequency range
- Low current consumption
- Good lead time
- RoHS Compliant

Specification

MODEL		ASO31R	ASO32R	ASO33R
Frequency Range	MHz	1.000~ 110.000	1.000 ~ 90.000	1.000 ~ 110.000
Frequency Stability*	ppm	Type A : ± 25 , ± 50 (-20 to 70°C)		
		Type B : ± 25 , ± 50 (-40 to 85°C)		
Temperature Range				
Operating Temp	°C	-20 to +70 / -40 to +85		
Storage Temp	°C	-55 to +125		
Power Supply Voltage	VDC	1.8 Typ. 1.6 to 2.2	2.5 Typ. 2.2 to 2.8	3.3 Typ. 2.7 to 3.6
Output Voltage High (V _{OH})	V (Max)	90% V _{dd}		
Output Voltage Low (V _{OL})	V (Min)	10% V _{dd}		
Output Level		CMOS		
Output Symmetry	%	45~55		
Input Current	mA (Max)	10	15	15
Rise / Fall Time (10% / 90%)	nS (Max)	5		
Output Load		15pF		
Aging	ppm/Year	± 3		

* Inclusive of 25°C \pm 3°C & Operating Temperature Range

ENABLE/ DISABLE FUNCTION

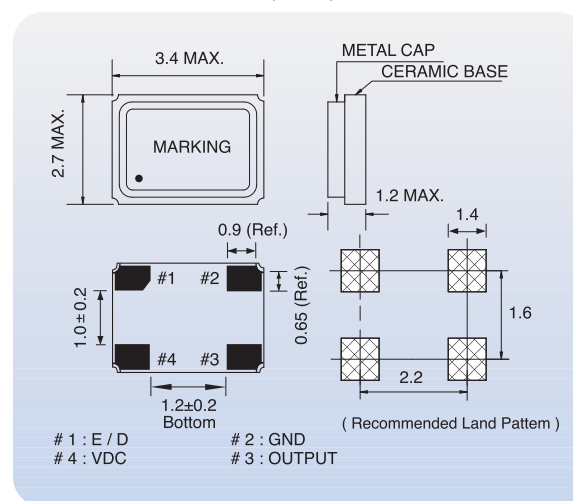
INH (# 1)	Q (# 4) & QN (# 5)
HIGH (Open)	Operating
Low	High impedance

PART NUMBERING GUIDE

Example: ASO33R-106.25M-F2T

MODE	Frequency	Stability	OP Temp Range	Tristate
ASO31R ASO32R ASO33R	In MHZ	D: ± 25 ppm E: ± 30 ppm F: ± 50 ppm G: ± 100 ppm O: Others	1: 0 to +70°C 2: -10 to +70°C 3: -20 to +70°C 4: -40 to +85°C 5: -40 to +105°C 0: Others	T: Tristate 0: Non-Tristate

DIMENSION (mm)



MARKING RULE

