

CRYSTAL OSCILLATORS



Application of DIP OSC :

- Wireless and wired LAN cards
- CD-ROM · CD-PLAYER
- Monitor
- Computers
- Routers
- Switches
- Hubs

● Features

- Metal welded package
- CMOS IC circuit with tri-state function
- Full / Half size
- Frequency range from 1.0 MHz to 125 MHz
- Hybrid-circuit construction
- RoHS Compliant

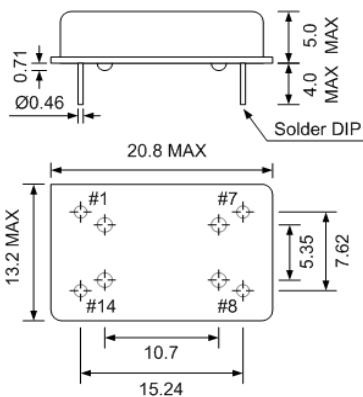
● Specification

MODE		AXO-100		AXO-200	
		AXO-300		AXO-400	
FREQ. RANGE	MHz	1.0 ~ 100		1.0 ~ 125	
FREQ. STABILITY*	ppm	A: ± 100 B: ± 50 X: ± 30 C: ± 25			
TEMP. RANGE					
OPERATING TEMP.	°C	0 ~ + 70		- 40 ~ + 85 is available.	
STORAGE TEMP.	°C	- 55 ~ + 125			
POWER SUPPLY VOLTAGE	V DC	+5.0±10%		+3.3±10%	+5.0±10%
OUTPUT SYMMETRY	%	40~60 (at 1.4V DC)		40~60 (at 50% VDD)	45 ~ 55 is available
INPUT CURRENT					
1.000~ 20.000MHz	mA (Max.)	20		10	20
20.001~35.000MHz		30		20	30
35.001~50.000MHz		40		30	40
50.001~100.00MHz		55		40	55
100.001~125.00MHz		-		50	70
RISE / FALL TIME					
1.000~ 50.000MHz	nS (Max.)	10			
50.001~ 125.000MHz		5			
OUTPUT LOAD		5 TTL		15 pF (50 pF)	
AGING	ppm/Year	± 5			

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

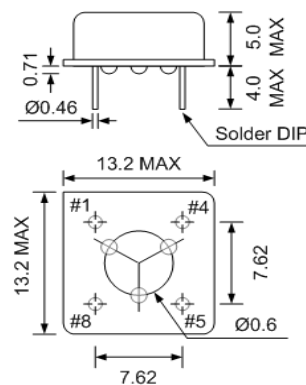
● Dimension (mm)

14PIN



PIN CONNECTION	
PIN	FUNCTION
1	N.C or Tri-state
7	CASE GND
8	OUTPUT
14	VDD

8PIN



PIN CONNECTION	
PIN	FUNCTION
1	N.C or Tri-state
4	CASE GND
5	OUTPUT
8	VDD

● Parts Numbering Guide

Example: AXO-125000-4B3000

MODE	FREQUENCY	TYPE	STABILITY	VOLTAGE	TEMPERATURE RANGE	TRISTATE	SERIAL NUMBER
AXO	IN MHZ	1 / 100 : DIP 14 PIN-TTL	B : ± 50 PPM X : ± 30 PPM C : ± 25 PPM	5 : 5.0 V 3 : 3.3 V	0 : -10 °C TO +70 °C 2 : -20 °C TO +70 °C 3 : -20 °C TO +80 °C 4 : -40 °C TO +85 °C	T : Tri-State 0 : NC	0 ~ 9 A ~ Z
		3 / 300 : DIP 8 PIN-TTL					
		2 / 200 : DIP 14 PIN-CMOS					
		4 / 400 : DIP 8 PIN-CMOS					