



ASD8 and ASD14 CMOS/TTL Compatible Full Size and Half Size Thru-Hole Crystal Oscillator

Applications:

- Monitor
- Computers
- Wireless and Wired LAN cards
- CD-ROM, CD-Player

FEATURES

- Metal Welded Package
- CMOS IC Circuit with Tri-state Function
- Hybrid-circuit Construction
- RoHS Compliant

SPECIFICATION

MODEL		ASD8C3 ASD14C3	ASD8C5 ASD14C5	ASD8T5 ASD14T5
Frequency Range	MHz	1.000 ~ 125.000	1.000 ~ 125.000	0.500 ~ 100.000
Frequency Stability*	ppm	±20 ~ ±100	±20 ~ ±100	±20 ~ ±100
Temperature Range				
Operating Temp	°C	-10 to +70		
Storage Temp	°C	-55 to +125		
Power Supply Voltage	VDC	+3.3±10%	+5.0±10%	+5.0±10%
Output Level		CMOS		TTL
Output Symmetry	%	40~60 (at 50% VDD) 45~55 is available		40~60 (at 1.4 VDC)
Input Current				
1.000~20.00MHz	mA (Max.)	10	20	20
20.001~35.00MHz		20	30	30
35.001~50.00MHz		30	40	40
50.001~100.00MHz		40	55	55
100.001~125.00MHz		50	70	-
Rise / Fall Time				
1.000~50.00MHz	nS (Max.)	10	10	10
50.001~125.00MHz		5	5	5
Output Load		15 pF (50 pF)		5 TTL
Aging	ppm/Year	±5	±5	±5

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

DIMENSION (mm)

ASD14C and ASD14T Series

PIN CONNECTION	
PIN	CONNECTION
1	N.C or Tri-State
7	CASE GND
8	OUT PUT
14	VDC

ASD8C and ASD8T Series

PIN CONNECTION	
PIN	CONNECTION
1	N.C or Tri-State
4	CASE GND
5	OUT PUT
8	VDD

MARKING RULE

ASD8C3
25.000MHz
● A0

Line 1: Model No.
Line 2: Frequency
Line 3: Date Code

PART NUMBERING GUIDE

Example: ASD8C3-25M-F20

MODEL	Frequency	Stability	OP Temp Range	Tristate
ASD8C3	In MHZ	C: ±20ppm	1: 0 to +70°C	T: Tristate
ASD8C5		D: ±25ppm	2: -10 to +70°C	N: Non-Tristate
ASD8T5		E: ±30ppm	3: -20 to +70°C	
ASD14C3		F: ±50ppm	4: -20 to +80°C	
ASD14C5		G: ±100ppm	5: -40 to +85°C	
ASD14T5		O: Others	6: -40 to +105°C	
			0: Others	