

Crystal Clock

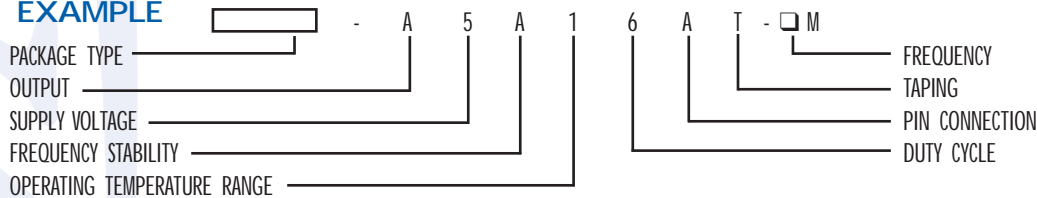
Surface Mount

ADOSM Series



Package Type	ADOSM-351 ADOSM-352 ADOSM-361	pg25 pg25 pg26	ADOSM-576 ADOSM-1014C	pg27 pg28		
Output	CMOS	A	TTL	B	CMOS Compatible	C
Supply Voltage	3.3V	3	5.0V	5		
Frequency Stability Over Temperature	±100 ppm ±50 ppm	A B	±30 ppm ±25 ppm	C D	±10 ppm	E
Operating Temperature Range	0°C to +70°C -10°C to +60°C	1 2	-20°C to +70°C -40°C to +85°C	3 4	-10°C to +70°C 0°C to +50°C	5 6
Duty Cycle	45/55%	5	40/60%	6		
PIN Connection	Tri-State, E//D	A	No Connection		BLANK	
Options	None (Standard)	Blank	Tape & Reel	T		
Frequency	MHz	M	KHz	K		

EXAMPLE



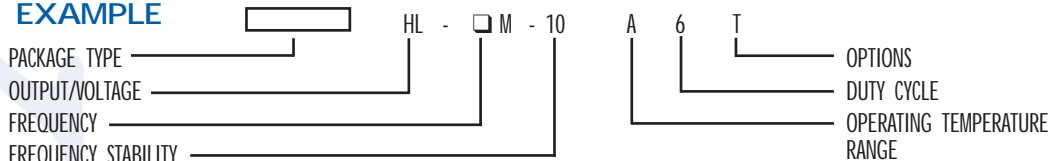
Crystal Clock

Thru Hole

ADOF Series / ADOH Series

Package Type	ADOF (Full Size)	pg29	ADOH (Half size)	pg29					
Output / Voltage	HCNOS/TTL 5V TTL 5V	Blank T	HCNOS 5V HCNOS/TTL 3.3V	H L	TTL HCNOS	3.3V 3.3V	TL HL		
Frequency	MHz	M	KHz	K					
Frequency Stability Over Temperature	±10 ppm ±20 ppm	1 2	±25 ppm ±50 ppm	3 5	±100 ppm		10		
Operating Temperature Range	0°C to +70°C -10°C to +70°C	A B	-20°C to +70°C -30°C to +70°C	C D	-40°C to +85°C -55°C to +125°C		E F		
Duty Cycle	45/55%	5	40/60%	6	47.5-52.5%		7		
Options	Tri-State	T	Tri-State	GULL WING	TG	GULL WING	G		

EXAMPLE

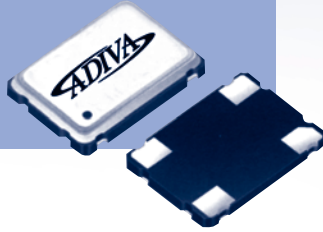


Crystal Clock

Surface Mount

ADOSM-570 Series (576)

ADOSM-576



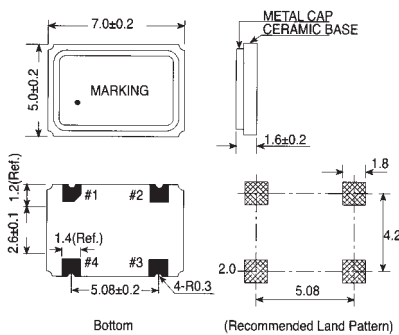
FEATURES

- Seam welding
- TTL and/or CMOS compatible
- Excellent solderability
- Custom requirement available
- Low power consumption
- Application: Supply the clock signals for wireless LAN card, PCMCIA card, handset.
- Lower voltage available

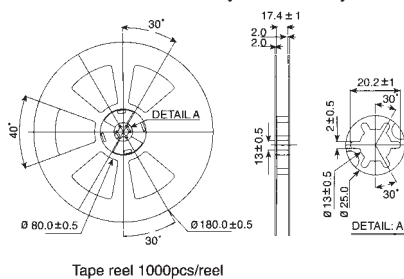
STANDARD SPECIFICATIONS

Package Type	ADOSM-576		
	TTL	CMOS	CMOS
Circuitry			
Frequency Range	1.500 ~ 135 MHz	1.500 ~ 135 MHz	1.500 ~ 135 MHz
Frequency Stability	100 ppm, 50 ppm, 25 ppm	100 ppm, 50 ppm, 25 ppm	100 ppm, 50 ppm, 25 ppm
Operating Temperature Range	0°C ~ 70°C (Option: -40°C ~ 85°C)	0°C ~ 70°C (Option: -40°C ~ 85°C)	0°C ~ 70°C (Option: -40°C ~ 85°C)
Storage Temperature Range	-55°C ~ 125°C	-55°C ~ 125°C	-55°C ~ 125°C
Supply Voltage*	5Vdc ±10%	5Vdc ±10%	3.3Vdc ±10%
Output Symmetry	45% ~ 55% (at 1.4Vdc)	45% ~ 55% (at 50%Vdd)	45% ~ 55% (at 50%Vdd)
Fan Out**	10 TTL	15 pF/50 pF	15 pF
Aging	±5 ppm/year	±5 ppm/year	±5 ppm/year
Supply Current			
1.0 ~ 9.99 MHz	15 mA max.	10 mA max.	7 mA max.
10.0 ~ 19.99 MHz	20 mA max.	15 mA max.	7 mA max.
20.0 ~ 31.99 MHz	30 mA max.	25 mA max.	12 mA max.
32.0 ~ 49.99 MHz	40 mA max.	35 mA max.	20 mA max.
50.0 ~ 79.99 MHz	50 mA max.	50 mA max.	25 mA max.
80.0 ~ 99.99 MHz	60 mA max.	60 mA max.	30 mA max.
100.0 ~ 125.0 MHz	80 mA max.	80 mA max.	40 mA max.
Rise/Fall Time			
1.0 ~ 9.99 MHz	15 ns max.	15 ns max.	20 ns max.
10.0 ~ 19.99 MHz	15 ns max.	15 ns max.	15 ns max.
20.0 ~ 31.99 MHz	8 ns max.	10 ns max.	10 ns max.
32.0 ~ 49.99 MHz	5 ns max.	6 ns max.	10 ns max.
50.0 ~ 79.99 MHz	5 ns max.	5 ns max.	8 ns max.
80.0 ~ 99.99 MHz	5 ns max.	5 ns max.	5 ns max.
100.0 ~ 125.0 MHz	4 ns max.	4 ns max.	4 ns max.
Start-Up Time			
1.0 ~ 20.0 MHz	15 ms max.	15 ms max.	20 ms max.
20.01 ~ 32.0 MHz	15 ms max.	15 ms max.	20 ms max.
32.01 ~ 50.0 MHz	10 ms max.	10 ms max.	15 ms max.
50.01 ~ 125.0 MHz	10 ms max.	10 ms max.	10 ms max.

UNIT DIMENSION (unit: mm)



REEL PACKING (UNIT: mm)



ENABLE/DISABLE FUNCTION

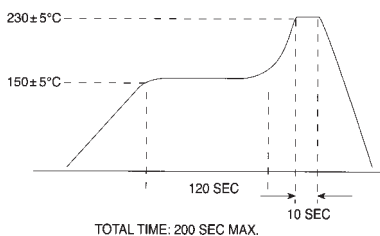
INH (pin 1)	Output (pin 3)
High (Open)	Operating
Low	High impedance or Vss

- #1. E/D
- #2. GND
- #3. Output
- #4. Vdc

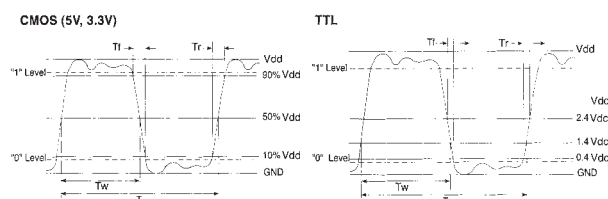
*Note: 3.0Vdc available

**Note: Fan Out 30 pF available.

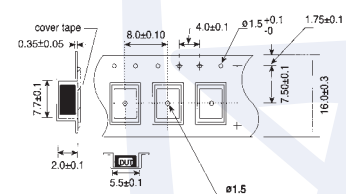
SOLDERING REFLOW PROFILE



OUTPUT WAVEFORM



TAPE SPECIFICATIONS



SEE PAGE 24 FOR PART NUMBERING GUIDE