

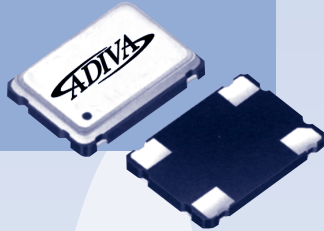
Crystal Clock

Surface Mount

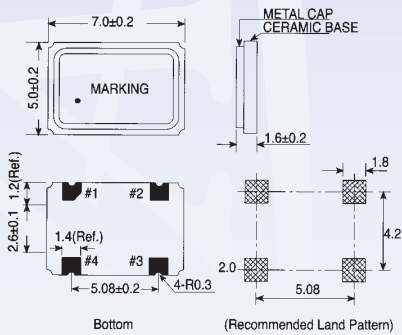
ADOSM-570 Series (576)



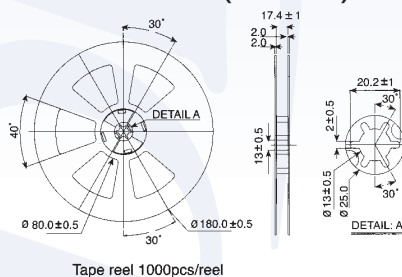
ADOSM-576



UNIT DIMENSION (unit: mm)



REEL PACKING (UNIT: mm)



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		
Circuitry	TTL	CMOS	CMOS
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.

ENABLE/DISABLE FUNCTION

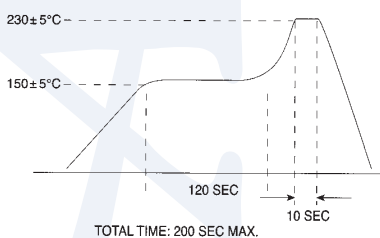
INH(pin 1)	Output (pin 3)
High (Open)	Operating
Low	High impedance or Vss

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

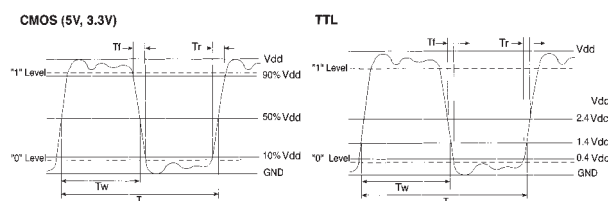
*Note: 3.0Vdc available

**Note: Fan Out 30 pF available.

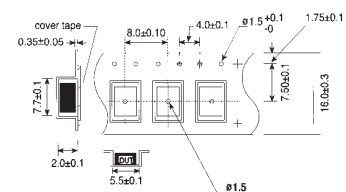
SOLDERING REFLOW PROFILE



OUTPUT WAVEFORM



TAPE SPECIFICATIONS



Crystal Clock

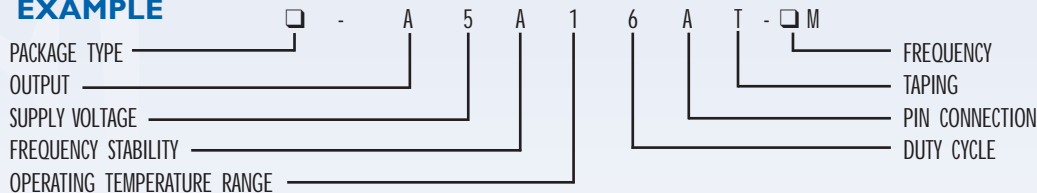
Surface Mount

ADOSM Series



Package Type	ADOSM-351 pg41 ADOSM-352 pg41 ADOSM-361 pg42	ADOSM-471 pg43 ADOSM-576 pg44 ADOSM-581 pg45	ADOSM-582 pg45 ADOSM-583 pg45 ADOSM-584 pg45	ADOSM-1014C pg46 ADOSMPP1 NEW
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 ±30 ppm B ±25 ppm	C ±10 ppm D	E
Operating Temperature Range	0°C to +70°C -10°C to +60°C	1 -20°C to +70°C 2 -40°C to +85°C	3 -10°C to +70°C 4 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

Package Type	ADOF (Full Size) pg47	ADOH (Half size) pg47
Output / Voltage	HCMOS/TTL/5V Blank TTL/5V T	HCMOS/5V H HCMOS/3.3V L TTL/3.3V TL HCMOS/3.3V HL
Frequency	MHz M	KHz K
Frequency Stability Over Temperature	±10 ppm 1 ±20 ppm 2	±25 ppm 3 ±50 ppm 5
Operating Temperature Range	0°C to +70°C A -10°C to +70°C B	-20°C to +70°C C -30°C to +70°C D
Duty Cycle	45/45% 5	40/60% 6 47.5-52.5% 7
Options	Tri-State T	Tri-State GULL WING TG GULL WING G

same part# guide for ADOFPP1 & ADOHPP1

EXAMPLE

