

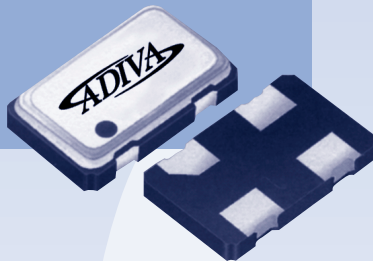
# Crystal Clock

Surface Mount

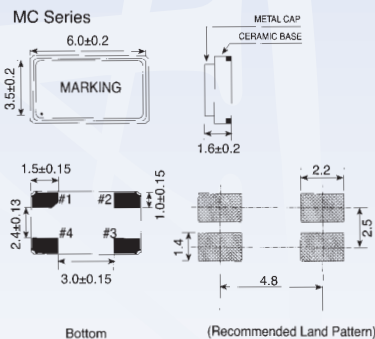
ADOSM-360 Series (361)



## ADOSM-361



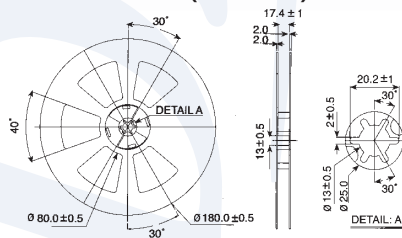
### UNIT DIMENSION (unit: mm)



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

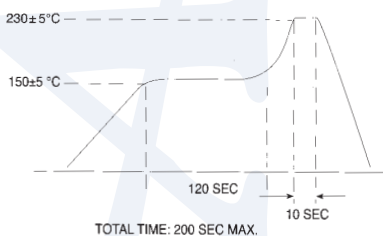
● Smaller size available, please contact us for detail information.

### REEL PACKING (unit: mm)

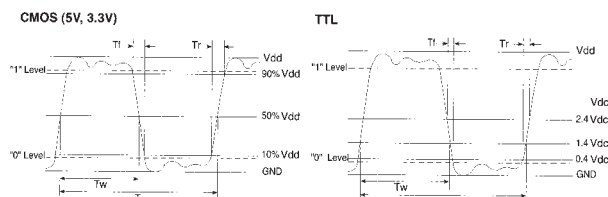


Tape reel 1000pcs/reel

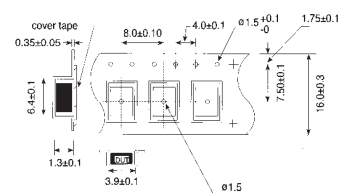
### SOLDERING REFLOW PROFILE



### OUTPUT WAVEFORM



### TAPE SPECIFICATIONS



### 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-361		
Circuitry	TTL	CMOS	CMOS
Frequency Range	1.500 ~ 135 MHz	1.500 ~ 135 MHz	1.500 ~ 135 MHz
Frequency Stability	100ppm, 50 ppm, 25 ppm	100ppm, 50 ppm, 25 ppm	100ppm, 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	40% ~ 60% (at 1.4Vdc)	40% ~ 60% (at 50%Vdd)	40% ~ 60% (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			
1.5 ~ 12.9MHz	10 mA max.	10 mA max.	6 mA max.
13.0 ~ 35.9MHz	15 mA max.	15 mA max.	10 mA max.
36.0 ~ 84.9MHz	25 mA max.	25 mA max.	20 mA max.
85.0 ~ 135.0MHz	35 mA max.	35 mA max.	30 mA max.
Rise/Fall Time			
1.5 ~ 12.9MHz	10 ns max.	10 ns max.	12 ns max.
13.0 ~ 35.9MHz	8 ns max.	8 ns max.	10 ns max.
36.0 ~ 84.9MHz	5 ns max.	5 ns max.	6 ns max.
85.0 ~ 135.0MHz	4 ns max.	4 ns max.	4 ns max.
Start-Up Time			
1.5 ~ 12.9MHz	15 ms max.	15 ms max.	20 ms max.
13.0 ~ 35.9MHz	10 ms max.	10 ms max.	15 ms max.
36.0 ~ 84.9MHz	10 ms max.	10 ms max.	10 ms max.
85.0 ~ 135.0MHz	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

\*Note: 3.0Vdc available

\*\*Note: Fan Out 30 pF available.

# Crystal Clock

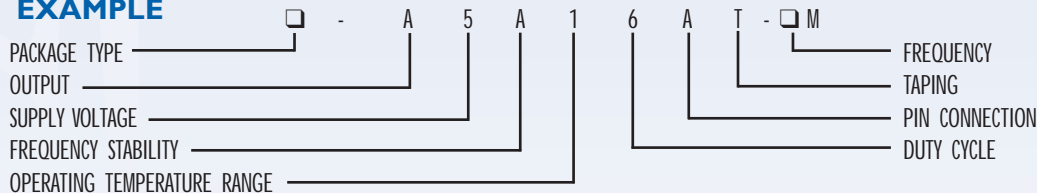
Surface Mount

ADOSM Series



<b>Package Type</b>	ADOSM-351 pg41	ADOSM-471 pg43	ADOSM-582 pg45	ADOSM-1014C pg46
	ADOSM-352 pg41	ADOSM-576 pg44	ADOSM-583 pg45	
	ADOSM-361 pg42	ADOSM-581 pg45	ADOSM-584 pg45	ADOSMPP1 NEW
<b>Output</b>	CMOS	A TTL	B CMOS Compatible	C
<b>Supply Voltage</b>	3.3V	3 5.0V	5	
<b>Frequency Stability Over Temperature</b>	±100 ppm	A ±30 ppm	C ±10 ppm	E
	±50 ppm	B ±25 ppm	D	
<b>Operating Temperature Range</b>	0°C to +70°C	1 -20°C to +70°C	3 -10°C to +70°C	5
	-10°C to +60°C	2 -40°C to +85°C	4 0°C to +50°C	6
<b>Duty Cycle</b>	45/55%	5 40/60%	6	
<b>PIN Connection</b>	Tri-State, E//D	A No Connection	BLANK	
<b>Options</b>	None (Standard)	Blank Tape & Reel	T	
<b>Frequency</b>	MHz	M KHz	K	

**EXAMPLE**



# Crystal Clock

Thru Hole

ADOF Series

<b>Package Type</b>	ADOF (Full Size) pg47	ADOH (Half size) pg47
<b>Output / Voltage</b>	HCMOS/TTL/5V Blank	HCMOS/5V H TTL/3.3V TL
	TTL/5V T	HCMOS/3.3V L HCMOS/3.3V HL
<b>Frequency</b>	MHz M	KHz K
<b>Frequency Stability Over Temperature</b>	±10 ppm 1	±25 ppm 3 ±100 ppm 10
	±20 ppm 2	±50 ppm 5
<b>Operating Temperature Range</b>	0°C to +70°C A	-20°C to +70°C C -40°C to +85°C E
	-10°C to +70°C B	-30°C to +70°C D -55°C to +125°C F
<b>Duty Cycle</b>	45/45% 5	40/60% 6 47.5-52.5% 7
<b>Options</b>	Tri-State T	Tri-State GULL WING TG GULL WING G

same part# guide for ADOFPP1 & ADOHPP1

**EXAMPLE**

