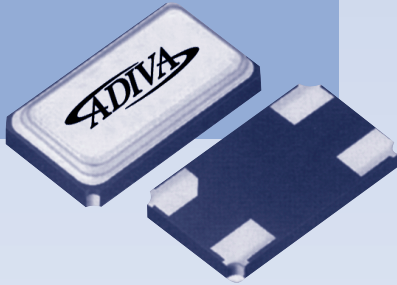


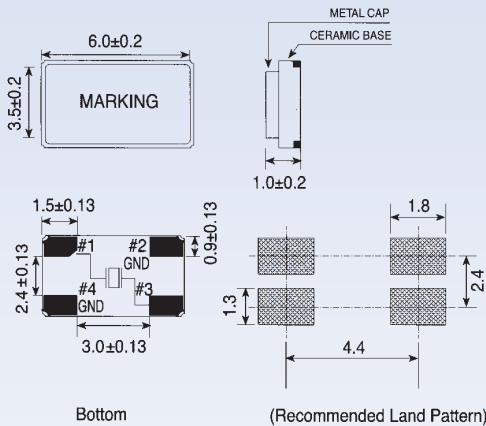
ADXSM-364



FEATURES

- Seam welding
- High frequency stability over temperature range.
- Excellent frequency aging stability.
- Excellent frequency-temperature characteristics with smooth continuity.
- Excellent solderability.
- Excellent thermal hysteresis (Special for high frequency stability requirement).
- Application: Telecom, Digital Cameras, VTR, Audio, Consumer Product, etc.
- Example: GSM, ADSL, Cable Modem, PCMCIA card.

UNIT DIMENSION (unit: mm)

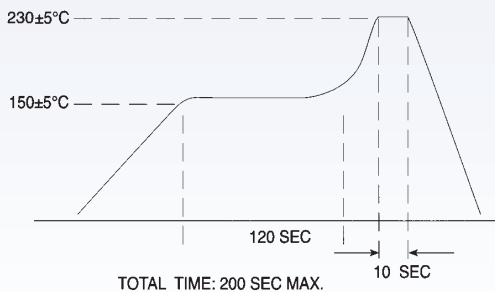


Bottom

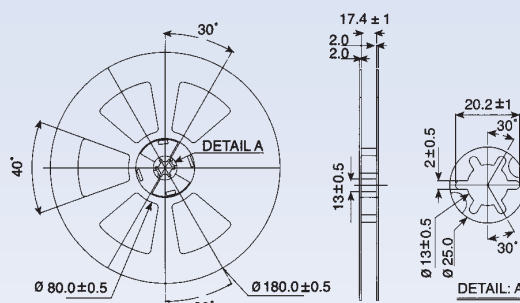
(Recommended Land Pattern)

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

SOLDERING REFLOW PROFILE



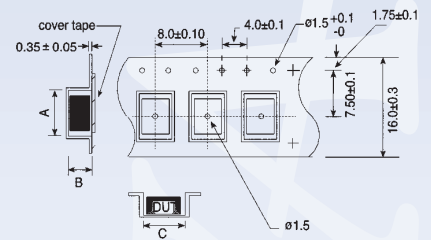
REEL PACKING



Tape reel 1000pcs/reel

TAPE SPECIFICATION

(unit: mm) (A) 6.4 ±0.1
(B) 1.3 ±0.1 (C) 3.9 ±0.1



STANDARD SPECIFICATIONS

Package Type	ADXSM-364
Frequency Range (Fundamental)	13.000 ~ 45.000 MHz
Frequency Range (3rd Overtone)	45.000 ~ 135.000 MHz
Frequency Tolerance	±10ppm, ±15ppm, ±20ppm, ±30 ppm at 25°C
Drive Level	15 μW, 30 μW, 100 μW, 500 μW (Special request available)
Load Capacitance	Series, 6pF, 12pF, 16pF, 18pF, 20pF, 30pF (Special request available)
Shunt Capacitance	7.0pF max. (Special request available)
Aging	±1ppm, ±2ppm, ±3ppm, ±5ppm/year

EQUIVALENT SERIES RESISTANCE (E.S.R.)

Frequency (MHz)	Vibration Code	E.S.R.
12.0 ~ 15.9	Fundamental	60 Ω
16.0 ~ 45.9	Fundamental	40 Ω
45.1 ~ 80.0	3rd Overtone	80 Ω
80.1 ~ 120.0	Fundamental	60 Ω
120.1 ~ 135.0	Fundamental	50 Ω

FREQUENCY STABILITY v OPERATING TEMP.

OPERATING TEMPERATURE	FREQUENCY STABILITY (± ppm)							
	*Denotes Availability (Reference to 25°C)							
Range	5	7.5	10	15	20	30	50	100
0 ~ 50°C	*	*	*	*	*	*	*	*
-10 ~ 60°C			*	*	*	*	*	*
-20 ~ 70°C			*	*	*	*	*	*
-40 ~ 85°C					*	*	*	*

Quartz Part Numbering Guide

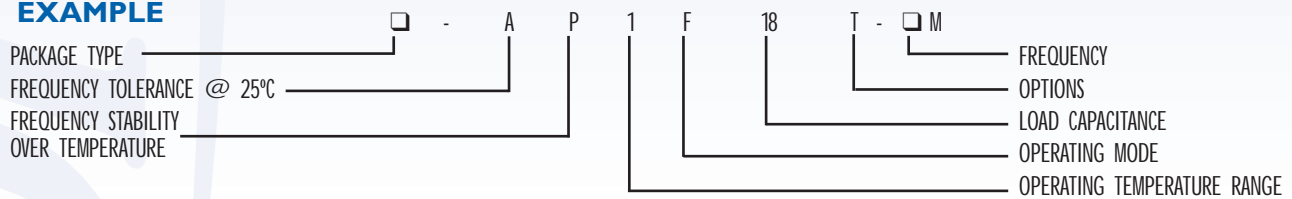
Surface Mount

ADXSM, ADX49SM, ADX49SSM1/SSM2, ADX49SMP/SMP1 Series



Package Type	ADXSM-351 pg10 ADXSM-364 pg11 ADXSM-365 pg12 ADXSM-463 pg16 ADXSM-481 pg17 ADXSM-491 pg20 ADXSM-492 pg20	ADXSM-571 pg21 ADXSM-572 pg22 ADXSM-581 pg23 ADXSM-5111A pg24 ADXSM-6122A pg24 ADXSM-6121A pg25 ADXSM-5122A pg25	ADXSM-5134AZ pg26 ADXSM-5136AZ pg26 ADXSM-5135AZ pg27 ADXSM-5137AZ pg27 ADXSM-5138AZ pg28 ADXSM-5121B pg29 ADXSM-5122B pg29	ADX49SM pg30 ADX49SSM pg30 ADX49SSM1 pg31 ADX49SSM2 pg31 ADX49SMP pg32 ADX49SMP1 pg32
Frequency Tolerance @ 25°C	±100ppm A ±50ppm B ±45ppm C	±40ppm D ±35ppm E ±30ppm F	±25ppm G ±20ppm H ±15ppm I	±10ppm J ±5ppm K
Frequency Stability Over Temperature	±100 ppm P ±50 ppm Q ±45 ppm R ±40 ppm S	±35 ppm T ±30 ppm U ±25 ppm V ±20 ppm W	±15 ppm X ±10 ppm Y ±7.5 ppm YY ±5 ppm Z	±4 ppm ZZ ±3 ppm ZY
Operating Temperature Range	0°C to +70°C 1 -10°C to +60°C 2 -20°C to +70°C 3 -40°C to +75°C 4	-40°C to +85°C 5 -40°C to +90°C 6 0°C to +55°C 7 -40°C to +125°C 8	0°C to +50°C 9 -10°C to +50°C 10 -10°C to +70°C 11 -30°C to +75°C 12	-30°C to +80°C 13 -350°C to +80°C 14
Operating Mode	Fundamental F 3rd Overtone 3	5th Overtone 5 7th Overtone 7	9th Overtone 9	
Load Capacitance	6 pF 6 10 pF 10 12 pF 12	15 pF 15 16 pF 16 18 pF 18	20 pF 20 22 pF 22 30 pF 30	32 pF 32 50 pF 50 Series S
Options	Bulk Blank	Insulator Tab I	Tape & Reel T	
Frequency	MHz M	KHz K		

EXAMPLE



Package Type	ADXSM-281 pg9 ADXSM-371 pg13 ADXSM-391 pg14	ADXSM-411 pg15 ADXSM-412 pg15 ADXSM-481A pg18	ADXSM-481B pg19 ADXSM-482B pg19
Frequency Tolerance @ 25°C	±100ppm A ±50ppm B ±45ppm C ±40ppm D	±35ppm E ±30ppm F ±25ppm G ±20ppm H	±15ppm I ±10ppm J ±5ppm K
Load Capacitance	6 pF 6	7 pF 7	12.5 pF 12.5
Options	Bulk Blank	Insulator Tab I	Tape & Reel T
Frequency	MHz M	KHz K	

EXAMPLE

