

## Quartz

Surface Mount

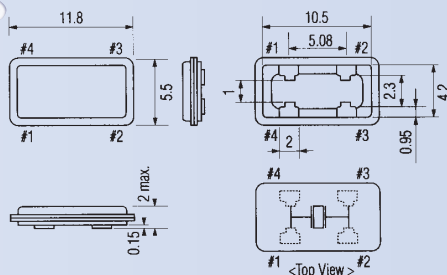
ADXSM-5000A and 6000A Series (6121A, 5112A)

## ADXSM-6121A

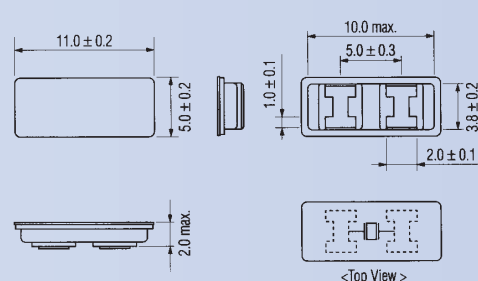
## ADXSM-5112A



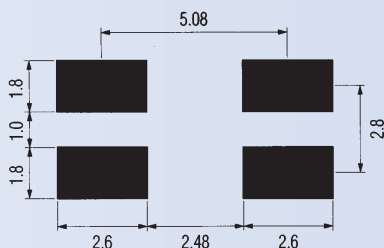
ADXSM-6121A (unit: mm)



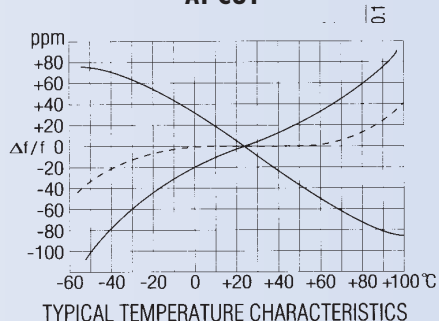
ADXSM-5112A (unit: mm)



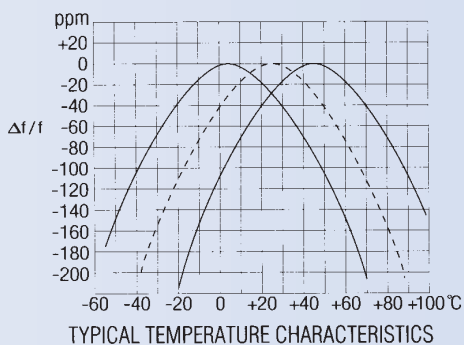
## SOLDERING PATTERN



## AT-CUT



## BT-CUT



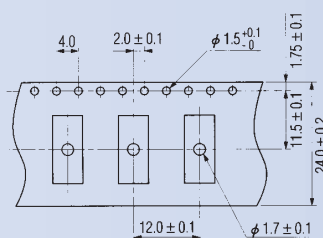
## PACKAGE DATA

Item / Package	ADXSM-6121A	ADXSM-5112A
COVER	Metal	Metal
BASE	Glass in Ceramic	Glass in Metal
SEALING	Resistance-weld	Resistance-weld
TERMINAL PLATING	Gold	Gold

## STANDARD SPECIFICATIONS

Package Type		ADXSM-6121A	ADXSM-5112A
Frequency Range	F	3.579545 MHz to 70.000 MHz	3.579545 MHz to 80.000 MHz
Calibration Tolerance		±50 ppm at +25°C ±3°C	±50 ppm at +25°C ±3°C
Temperature Stability at +25°C		±50 ppm over -20°C to +70°C (AT-Cut) ±100 ppm over -10°C to +60°C (BT-Cut)	±50 ppm over -20°C to +70°C (AT-Cut) ±100 ppm over -10°C to +60°C (BT-Cut)
Load Capacitance	CL	18 pF	18 pF
Shunt Capacitance	Co	5 pF max.	5 pF max.
Drive Level	P	100 μW max.	100 μW max.
Aging	# f/f	±5 ppm max. at +25°C ±3°C per year	±5 ppm max. at +25°C ±3°C per year
Cut		AT-Cut or BT-Cut	AT-Cut or BT-Cut
Reflow Soldering Condition		10 seconds max. at +235°C ±5°C	10 seconds max. at +235°C ±5°C

## TAPE SPECIFICATIONS



	QTY/Reel	Reel DIA
ADXSM-6121A	1000 pcs	300 mm
ADXSM-5112A	2000 pcs	330 mm

SEE PAGE 8 FOR PART NUMBERING GUIDE

# Quartz Part Numbering Guide

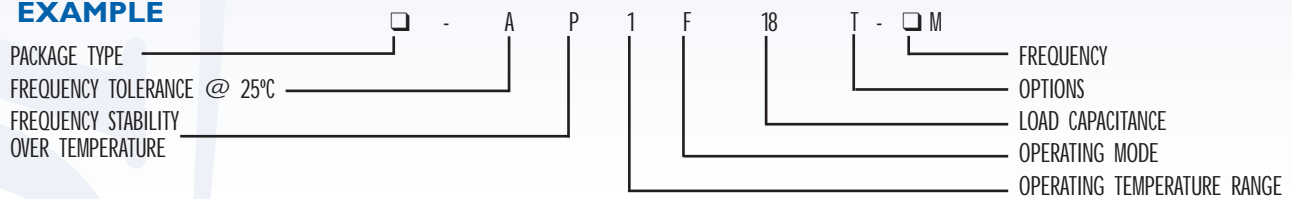
Surface Mount

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



<b>Package Type</b>	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
<b>Frequency Tolerance @ 25°C</b>	±100ppm A ±50ppm B ±45ppm C	±40ppm D ±35ppm E ±30ppm F	±25ppm G ±20ppm H ±15ppm I	±10ppm J ±5ppm K
<b>Frequency Stability Over Temperature</b>	±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
<b>Operating Temperature Range</b>	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
<b>Operating Mode</b>	Fundamental F 3rd Overtone 3	5th Overtone 5 7th Overtone 7	9th Overtone 9	
<b>Load Capacitance</b>	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
<b>Options</b>	Bulk Blank	Insulator Tab I	Tape & Reel T	
<b>Frequency</b>	MHz M	KHz K		

**EXAMPLE**



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

**EXAMPLE**

