

Quartz

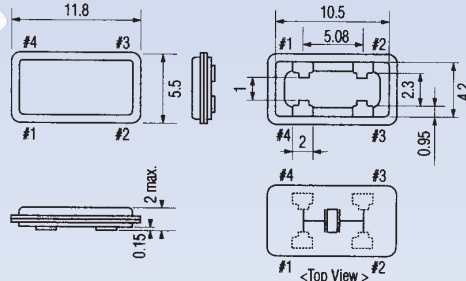
Surface Mount

ADXSM-5000B Series (5121B, 5122B)

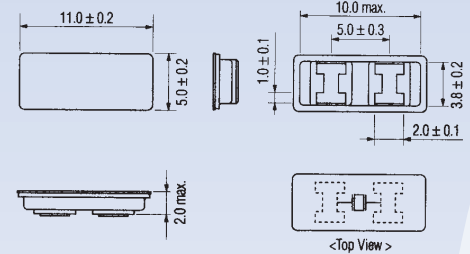
ADXSM-5121B



ADXSM-5121B (unit: mm)



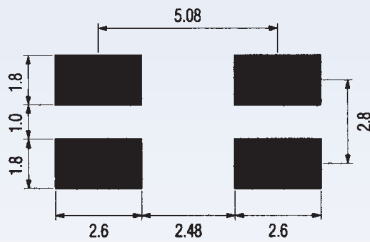
ADXSM-5122B (unit: mm)



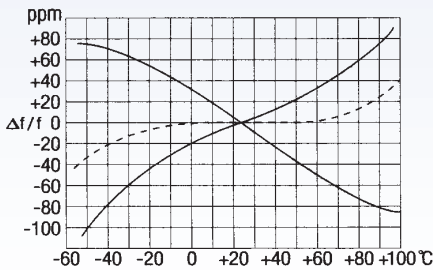
ADXSM-5122B



SOLDERING PATTERN

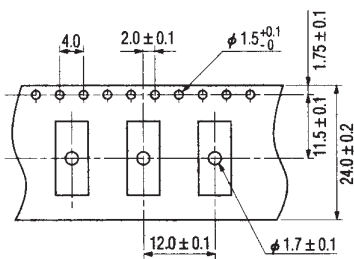


AT-CUT



TYPICAL TEMPERATURE CHARACTERISTICS

TAPE SPECIFICATIONS



	QTY/Reel	Reel DIA
ADXSM-5121B	1000 pcs	300 mm
ADXSM-5122B	1000 pcs	330 mm

PACKAGE DATA

Item / Package	ADXSM-5121B	ADXSM-5122B
LID	Metal	Metal
BASE	Glass in Ceramic	Glass in Metal
SEALING	Resistance-weld	Resistance-weld
TERMINAL PLATING	Gold	Gold

STANDARD SPECIFICATIONS

Package Type	ADXSM-5121B	ADXSM-5122B
Frequency Range	3.579545 MHz to 70.000 MHz	3.579545 MHz to 80.000 MHz
Calibration Tolerance	±10 ppm at +25°C ±3°C; ±15 ppm at +25°C ±3°C ±20 ppm at +25°C ±3°C; ±30 ppm at +25°C ±3°C	
Equivalent Series Resistance (ESR)	150 Ω max. (3.579 MHz+); 120 Ω max. (4.000 MHz+); 100 Ω max. (5.000 MHz+); 80 Ω max. (6.000 MHz+); 60 Ω max. (9.000 MHz+); 50 Ω max. (10.000 MHz+); 40 Ω max. (13.000 MHz+); 30 Ω max. (19.000 MHz+); 60 Ω max. (36.000 MHz+ (30T))	
Shunt Capacitance (Co)	5 pF max.	
Drive Level (P)	100 μW max. (10 μW max. for testing)	
Aging	±5 ppm max. at +25°C per year	
Cut	AT-Cut	
Reflow Soldering Condition	10 seconds max. at +235°C ±5°C	

TEMPERATURE STABILITY v OPERATING TEMP.

OPERATING TEMPERATURE RANGE	TEMPERATURE STABILITY (± ppm)						
	Temperature Stability	±5.0(A)	±7.5(B)	±10(C)	±15(D)	±20(E)	±30(F)
0~+50°C	(1)	*	*	*	*	*	*
-10~+50°C	(2)	*	*	*	*	*	*
-10~+60°C	(3)	*	*	*	*	*	*
-10~+70°C	(4)		*	*	*	*	*
-20~+70°C	(5)			*	*	*	*
-30~+75°C	(6)				*	*	*
-30~+80°C	(7)				*	*	*
-35~+80°C	(8)					*	*
-40~+85°C	(9)					*	*

*Denotes Availability (Reference to 25°C)

SEE PAGE 8 FOR PART NUMBERING GUIDE

Quartz Part Numbering Guide

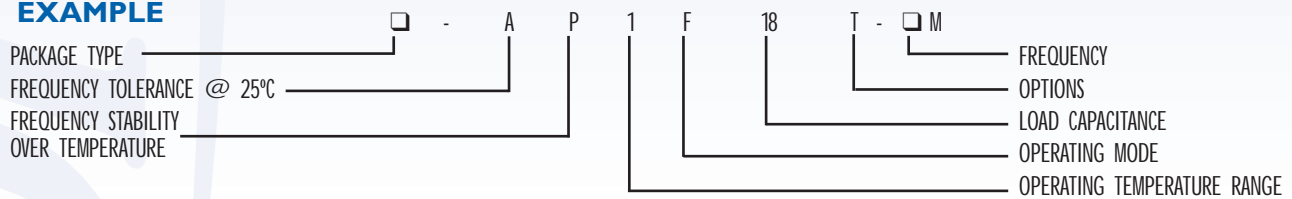
Surface Mount

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

