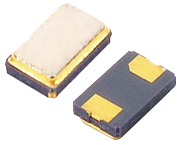


AX502 SEAM SEALED CERAMIC SMD CRYSTAL

5.0 x 3.2 x 0.9 mm
(2PAD)



APPLICATIONS:

Wireless Applications
Communications, Computers
LED TVs, Test Equipment

FEATURES:

2 pad 5x3.2 Ceramic SMD package
AT-Cut Fundamental
Tight Tolerance and Stability Available
Pb free/ RoHS Compliant

PART NUMBERING GUIDE

Frequency	Oscillation Mode	Load Capacitance	Freq. Tolerance	Freq. Stability	Operating Temp.	ESR
(MHz)	F: Fundamental	Please specify (CL) value in pf. SR for series.	10: ± 10ppm 15: ± 15ppm 20: ± 20ppm 25: ± 25ppm 30: ± 30ppm 50: ± 50ppm	10: ± 10ppm 15: ± 15ppm 20: ± 20ppm 25: ± 25ppm 30: ± 30ppm 50: ± 50ppm	A1: -10°C to +60°C A2: -10°C to +70°C A3: -20°C to +70°C A4: -20°C to +85°C A5: -30°C to +85°C A6: -40°C to +85°C	Please refer to below ESR table.

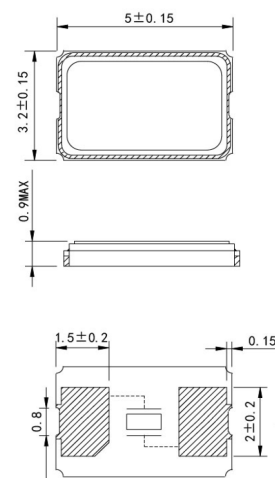
ELECTRICAL CHARACTERISTICS

PARAMETERS	SYMBOL	SPECIFICATION
Frequency Range	Fo	10.000 ~ 54.000 MHz
Operation Mode		Fundamental(AT Cut)
Operating Temperature	To	- 20 to + 70°C, -40 to +85°C, or specify
Storage Temperature		- 40°C to + 85°C
Frequency Tolerance at +25°C	$\Delta f/F$	± 15 ppm, ± 30 ppm, ± 50 ppm or specify
Frequency Stability Over Operating Temperature Range	$\Delta f/F$	± 20 ppm, ± 30 ppm, ± 50 ppm or specify
Equivalent Series Resistance	R1	Please find below Table
Shunt Capacitance	C0	7pF max.
Load Capacitance	CL	series, 18pF(Standard), or specify
Drive Level	DL	300µW max., 100µW typical
Aging at 25°C	$\Delta f/F$	± 3ppm max.(first year)
Insulation Resistance		500MΩ min at 100Vdc

EQUIVALENT SERIES RESISTANCE(ESR)Table

Frequency Range(MHz)	ESR(Ω) max.
Fundamental	
10.000 ~ 14.999	80
15.000 ~ 19.999	60
20.000 ~ 34.999	50
35.000 ~ 54.000	40

OUTLINE DRAWING: mm



If you require further assistance, please feel free contact us at antonio@asiastek.com

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