





AX25 SEAM SEALED ULTRA SMALL CERAMIC SMD CRYSTAL

2.5 x 2.0 x 0.7 mm



APPLICATIONS: Wireless Applications Bluetooth, Computers Mobile, Communication

FEATURES:

Seam Sealed Ultra Small Ceramic SMD Package AT-Cut Fundamental Tight Tolerence and Stability Available Pb free/ RoHS Compliant

PART NUMBERING GUIDE

AX25 —						
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 CHARACTERIS	STICS			
PARAMETERS SYMBOL		SPECIFICATION		
Frequency Range	Fo	16.000 ~ 60.000 MHz		
Operation Mode		Fundamental(AT Cut)		
Operating Temperature	То	- 20 to + 70°C, -40 to +85°C, or specify		
Storage Temperature		- 40°C to + 85°C		
Frequency Tolerance at +25°C	∆f/F	\pm 10 ppm, \pm 15 ppm, \pm 30 ppm or specify		
Frequency Stability Over Operating Temperature Range	∆f/F	\pm 10 ppm, \pm 15 ppm, \pm 30 ppm or specify		
Equivalent Series Resistance	R1	Please find below Table		
Shunt Capacitance	CO	7pF max.		
Load Capacitance	CL	series, 18pF(Standard), or specify		
Drive Level	DL	300µW max., 100µW typical		
Aging at 25°C	f/F	± 3ppm max.(first year)		
Insulation Resistance		500MΩ min at 100Vdc		
EQUIVALENT SERIES RESIS	STANCE(ESR)Table	OUTLINE DRAWING: mm		
Frequency Range(MHz)	ESR(Ω) max.			
Fundam	``	$\frac{2.55\pm0.1}{4}$		
16.000 ~ 19.999	90	-		
		2.05±0.1		
20.000 ~ 29.999	70			
30.000 ~ 34.999	50	¥ 1 2		
35.000 ~ 60.000	40	0.7 1		
		ri b		
		*Note: From the top view, pad #1 is always located at the bottom left corner of the package.		
		*Note: From the top view, pad #1 is always located at the bottom left corner of the package. Due to material supply availability, the chamfer could be located on pad#1, 2 or 4.		

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