

AT-51AD CRYSTAL UNIT

PN: AT-51AD-8MHZ S1-4085-5050-12

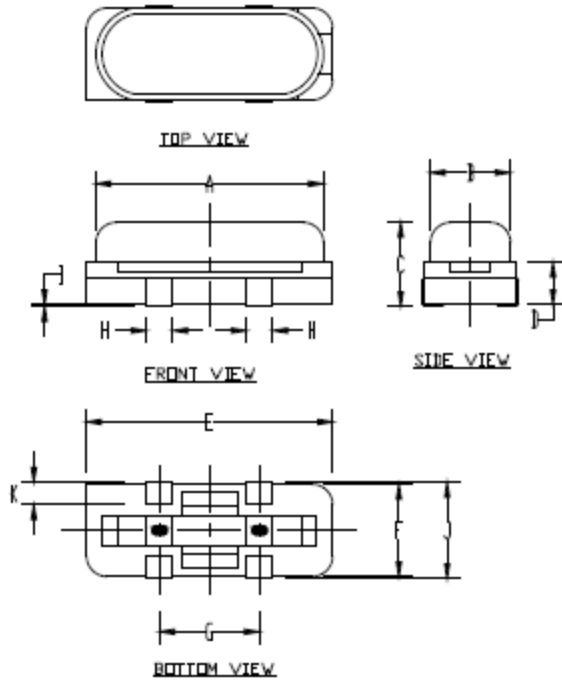
Application: Automotive

Conforms to AECQ200

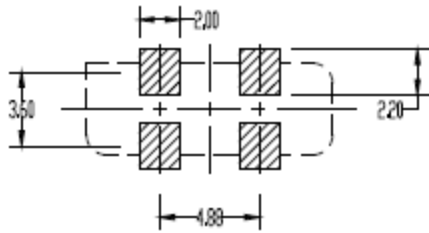
Negative Resistance for Application Circuit : 1200 ohms Min.

SPECIFICATIONS

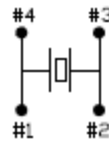
	Item	Conditions	Specifications
1	HOLDER TYPE		AT-51AD
2	FREQUENCY RANGE	MHz	8MHz
3	OSCILLATION MODE		Fundamental
4	FREQUENCY TOLERANCE	AT +25±3°C	±50ppm
5	FREQUENCY STABILITY	PPM	±50ppm
6	OPERATING TEMPERATURE RANGE	°C	-40 ~ +85°C
7	STORAGE TEMPERATURE RANGE	°C	-40 ~ +85°C
8	EQUIVALENT SERIES RESISTANCE	ESR (Ω)	50Ω
9	LOAD CAPACITANCE	pF	12
10	SHUNT CAPACITANCE	Co	5.0pF
11	MOTIONAL CAPACITANCE	C1	NA
12	DRIVE LEVEL	μW	50 μW typ. (300 μW Max.)
13	INSULATION RESISTANCE		> 500MΩ AT 100VDC
14	AGING/YEAR	PPM	<±5ppm



ITEM	DIMENSION	
A	10.16 Max.	
B	3.8 Max.	
C	XTAL TYPE	
	S6	4.1 Max.
	S7	4.5 Max.
	S8	5.5 Max.
D	2.05 Max.	
E	12.0±0.2	
F	4.7 MAX	
G	4.88 ±0.2	
H	1.3±0.1	
I	0.05~0.2	
J	4.9 MAX	
K	1.25 ^{MAX} / _{MIN}	



RECOMMENDED LAND PATTERN



ELECTRODE ARRANGEMENT

MARKING INFORMATION

