

SX2505/SX2506 Surface Mount Crystals

5.08 X 13.4 x 4.6 mm

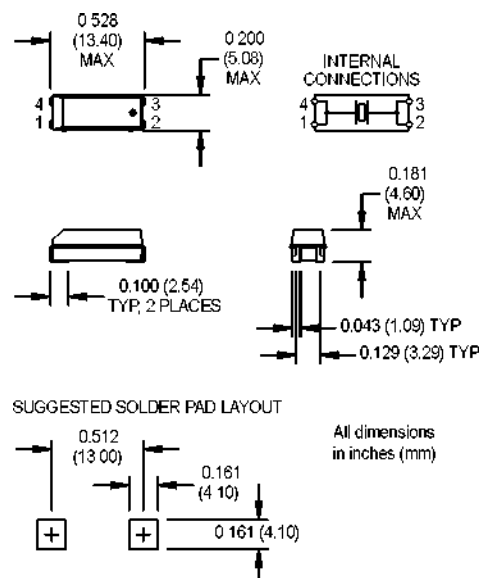


Features:

- Thermoplastic Package Design
- Cost Effective
- Available on Tape & Reel
- Compatible With Common Solder Reflow Processes
- Epson MA-505/506 Replacement

MODEL NO.	FREQUENCY RANGE	TOLERANCE	STABILITY	OPERATING TEMP.
SX2505-1	3.579 to 70.000 MHz	±30 ppm	±70 ppm	-20°C to +70°C
SX2505-2	6.000 to 70.000 MHz	±30 ppm	±50 ppm	-20°C to +70°C
SX2505-3	4.000 to 9.999 MHz	±30 ppm	±100 ppm	-40°C to +85°C
SX2505-4	10.000 to 70.000 MHz	±30 ppm	±60 ppm	-40°C to +85°C
SX2506-1	3.579 to 70.000 MHz	±30 ppm	±70 ppm	-20°C to +70°C
SX2506-2	6.000 to 70.000 MHz	±30 ppm	±50 ppm	-20°C to +70°C
SX2506-3	4.000 to 9.999 MHz	±30 ppm	±100 ppm	-40°C to +85°C
SX2506-4	10.000 to 70.000 MHz	±30 ppm	±60 ppm	-40°C to +85°C

SX2505



Electrical Specifications

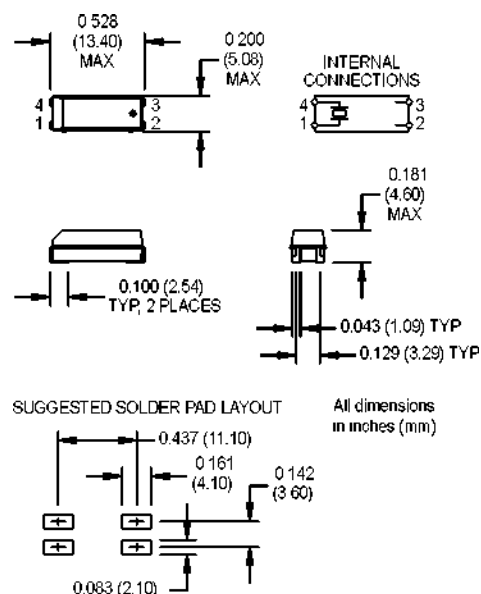
PARAMETERS	VALUE
Frequency Range ¹	3.579545 to 70.000 MHz
Tolerance @ +25°C	See P/N Table
Stability	See P/N Table
Aging	±5 ppm/1st yr. Max.
Shunt Capacitance	7 pF Max.
Load Capacitance	18 pF Std.
Standard Operating Conditions	See P/N Table
Equivalent Series Resistance (ESR), Max.	
Fundamental (AT-cut)	
3.579 to 3.999 MHz	200 Ω
4.000 to 5.999 MHz	150 Ω
6.000 to 9.999 MHz	100 Ω
10.000 to 32.000 MHz	50 Ω
Third Overtones (AT-cut)	
30.000 to 35.999 MHz	100 Ω
36.000 to 70.000 MHz	80 Ω
Drive Level	100 μW Max.

* Series resonant designated by "SR" prefix (i.e., SRSX2505).

¹ Because this product is based on AT-strip technology, not all frequencies in the range stated are available. Contact the factory for availability of specific frequencies.

See page 136, Figure "2" for suggested solder profile.

SX2506



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