



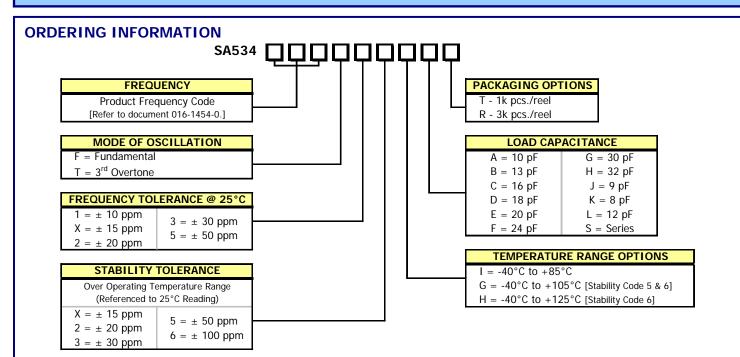
- AUTOMOTIVE ELECTRONICS

FEATURES

- AEC-Q200 Compliant
- Standard 5.0mm x 3.2mm Seam Weld Package
- Fundamental Design
- Frequency Range 8 40 MHz Fundamental, 24 120 MHz 3rd Overtone
- Frequency Tolerance; ±10 ppm, ±15 ppm, ±20 ppm, ±30 ppm and ± 50 ppm
- Frequency Stability, reference Ordering Information
- Operating Temperature, -40°C to +105°C standard
- Tape & Reel Packaging Standard, EIA-481

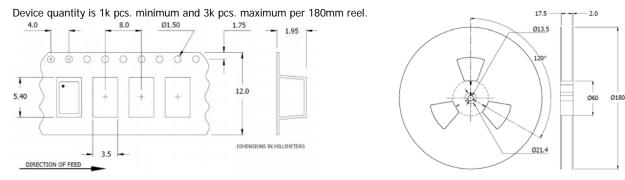
APPLICATIONS

Model SA534 is a low cost crystal specifically developed for use in automotive electronics.



Not all performance combinations and frequencies may be available. Contact your local CTS Representative or CTS Customer Service for availability.

PACKAGING INFORMATION [Reference]



SHENZHEN DIGUO TECHONLOGY CO.LTD

TEL:0755-27881119 QQ:921977998 E-mail:dgkjly@163.com 网址:http://www.dgkjly.com



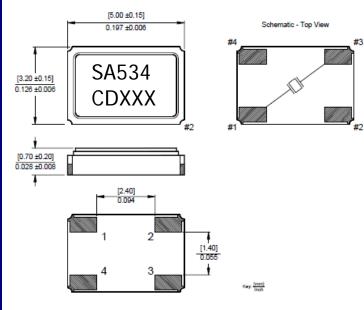
ELECTRICAL CHARACTERISTICS

	PARAMETER	VALUE			
	Operating Mode	Fundamental 3 rd Overtone			
	Frequency Range	8.0 MHz to 40.0 MHz 24.0 MHz to 120.0 MHz			
	Crystal Cut	AT-Cut			
	Frequency Tolerance @ 25°C	±10ppm, ±15ppm, ±20 ppm, ±30 ppm, ±50 ppm			
	Frequency Stability Tolerance ¹	±15 ppm, ±20 ppm, ±30 ppm,			
Ŷ	[Operating Temperature Range, Referenced to 25°C Reading]	±50 ppm, ±100 ppm			
PAKAME I EKS	Operating Temperature Range ¹	-40°C to +85°C [All Stability Codes] -40°C to +105°C [Stability Code 3, 5, 6] -40°C to +125°C [Stability Code 5, 6]			
ICAL	Equivalent Series Resistance	8.000 MHz - 9.999 MHz 10.000 MHz - 15.999 MHz 16.000 MHz - 40.000 MHz	150 Ohms maximum 60 Ohms maximum 50 Ohms maximum	24.000 MHz - 53.999 MHz 54.000 MHz - 120.000 MHz	150 Ohms maximum 100 Ohms maximum
FLECIK	Load Capacitance or Resonance Mode [See Ordering Information for More Options]	10pF, 12pF, 16pF, Series standard			
-	Shunt Capacitance (C ₀)	3.0 pF typical, 5.0 pF maximum			
	Drive Level	10 μW typical, 100 μW maximum			
	Aging @ +25°C	±5 ppm/yr maximum			
	Insulation Resistance [@ DC 100V]	500M Ohms minimum			
	Storage Temperature Range	-40°C to +125°C			
	Reflow Condition, per JEDEC J-STD-020	+260°C maximum, 10 Seconds maximum			

1 See Ordering Information.

MECHANICAL SPECIFICATIONS

PACKAGE DRAWING



MARKING INFORMATION

- 1. SA534 CTS Model Series.
- 2. C CTS.
- 3. D Date code. See Table I for codes.
- 4. XXX Frequency code.
 - [Reference CTS document 016-1450-0, Frequency Code Tables.]

NOTES

- 1. Complete CTS part number, frequency value, date code and manufacturing site code information must appear on reel and carton labels.
- 2. Termination pads (e4); barrier plating is nickel [Ni] with gold [Au] flash plate.
- Reflow conditions per JEDEC J-STD-020; 260°C maximum, 10 seconds.

DEC

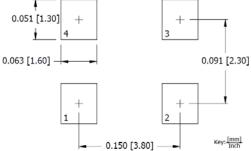
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SUGGESTED SOLDER PAD GEOMETRY



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SHENZHEN DIGUO TECHONLOGY CO.LTD

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TEL:0755-27881119 QQ:921977998 E-mail:dgkjly@163.com

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TABLE I – DATE CODE

2008

2004