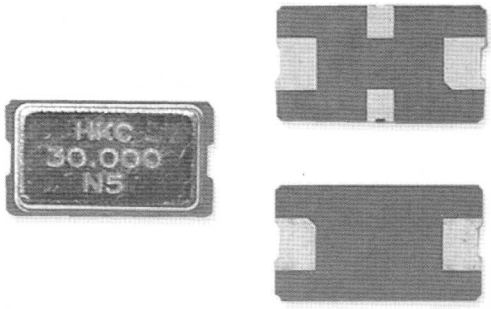


Ceramic Seamseal SMD Crystal

8x4.5mm 2 pads (C9), 8x4.5mm 4 pads with case ground (CP)



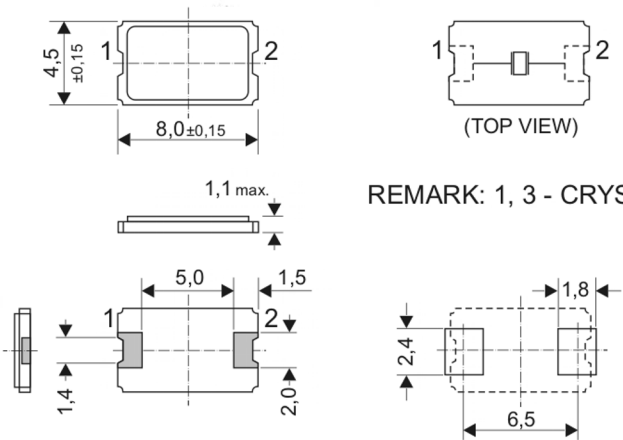
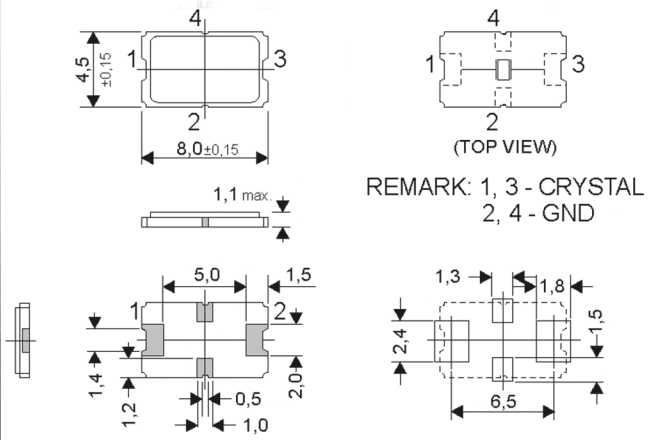
<p>CERAMIC SMD CRYSTAL 8 X 4.5mm</p> 	<p>Features:</p> <ul style="list-style-type: none"> Reliable performance including startup characteristics, heat resistance, vibration resistance, and impact resistance under harsh environment conditions TPMS specification available, please contact us for more details Lead-free products are available. They can meet the requirements of reflow profile using lead-free solder Compatible with RoHS Directive
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Specification \ Package	C9, CP
Frequency Range	6.01 ~ 50MHz
Oscillation Mode	Fundamental
Frequency Tolerance at 25°C	±50ppm
Frequency Stability Over Operating Temperature Range (refer to values at 25°C)	±100ppm over -40 ~ +85 °C ±150ppm over -40 ~ +125 °C
Operating Temperature Range	-40 ~ +125°C
Equivalent Series Resistance ESR/Rs (Measured at Series Resonance)	Refers to ESR table
Drive Level	10μW (1000μW max)
Load Capacitance	8pF ~ ∞pF (∞pF means series resonance). To be specified by customer.
Operable Temperature	-45 ~ +130 °C
Aging	±5ppm / Year

ESR Table

Overtone	Frequency Range (MHz)	Max. ESR (Ω)
Fundamental	6.01 ~ 8	150
	8.01 ~ 10	100 ~ 60
	10.01 ~ 50	50 ~ 30

DIMENSIONS:

C9 (2 pads)	CP (4 pads with Case Ground)
 <p>REMARK: 1, 3 - CRYSTAL</p> <p>RECOMMEND LAND PATTERN</p>	 <p>REMARK: 1, 3 - CRYSTAL 2, 4 - GND</p> <p>RECOMMEND LAND PATTERN</p>