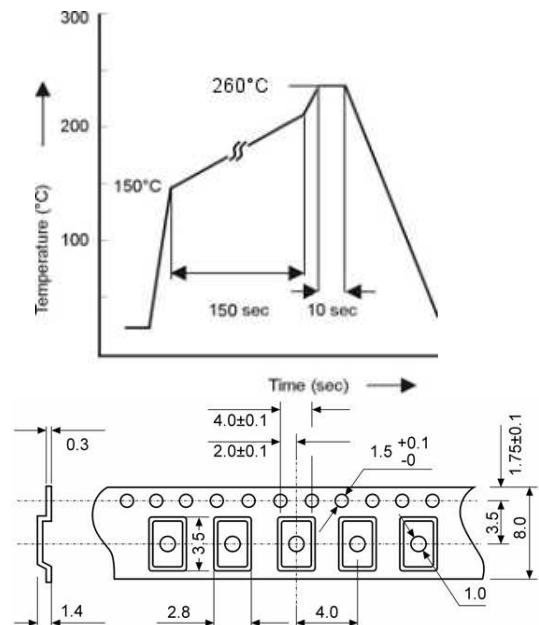
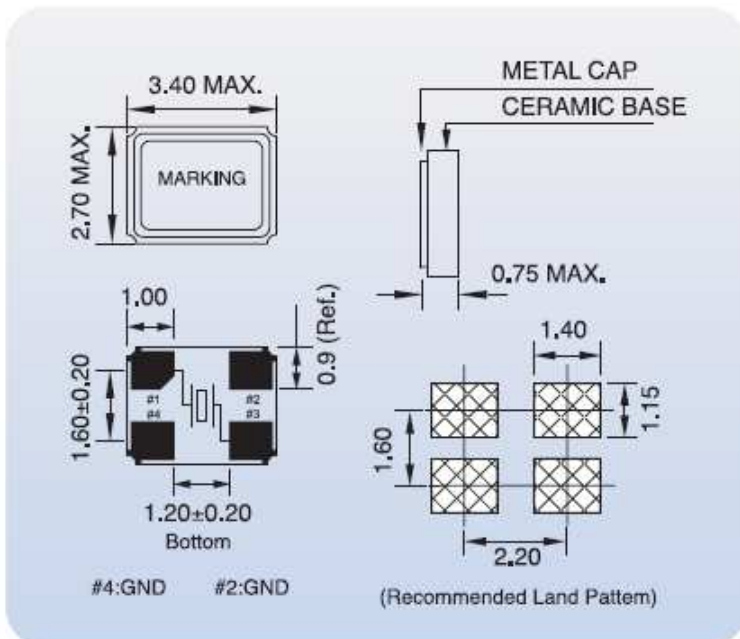


# IC 13

## Quartz Crystal Unit

Dimensions l/w/h in mm (max)	<b>3,4 x 2,7 x 0,75</b>	
Frequency	10,0 MHz to 125,0 MHz	
Operating Temperature	Refer to Ordering Guidance	
Frequency Tolerance at 25°C	Refer to Ordering Guidance	
Frequency Stability in Operating Temp. Range	Refer to Ordering Guidance	
Storage Temperature	-55°C to +125°C	
Load Capacitance (CL)	12 pF/ 16 pF/ 18 pF/ 20 pF/ 30 pF/ 32 pF or series	
Shunt Capacitance (C0)	5,0 pF max.	
Series Resonance (R1)	10,000 MHz ~ 12,0 MHz	100 Ohm
	12,001 MHz ~ 16,0 MHz	80 Ohm
	16,001 MHz ~ 25,0 MHz	60 Ohm
	25,001 MHz ~ 50,0 MHz	40 Ohm
	50,001 MHz ~ 125,0 MHz	80 Ohm (3 <sup>rd</sup> OT)
Drive Level $\mu$ W max.	50 max.	
Aging (df/F) first year at 25°C	$\pm 5$ ppm	



# Ordering Guidance

IC - Quartz																				
QS-Digits:	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
QS- Eingabe/Enter:	I	C	1	3	0	3	2	,	7	6	8	M	1	2	,	5	A	B	1	B
Bezeichnung/Indic.:	Gruppe		Grösse		Frequ./FRQ/Fliesskomma							Hz	Load/CL/uF			Fto	Fst	OM	TR	
<b>IC-Applications:</b> Portable instruments Industrial products Battery powered prod.	IC Quartz		Size code + packg. code 1-13 = 3K/RL, ab 14 = 1K/RL									H/K/M/G				F.tol. at 25° in ppm	F.stab. In Operating Temp. Range	Oscillation Mode	oper. Temp. in °C	
	A	10	A	10								1	Fund			A	0°C to +70°C			
	B	15	B	15								3	3rd OT			B	-20°C to +70°C			
	C	20	C	20								5	5th OT			C	-10°C to +60°C			
	D	25	D	25												D	-10°C to +70°C			
	E	30	E	30												E	-40°C to +85°C			
	F	50	F	50												F	-45°C to +125°C			
	G	100	G	100												G	best			
			H	-0,034																
			I	-0,042																

