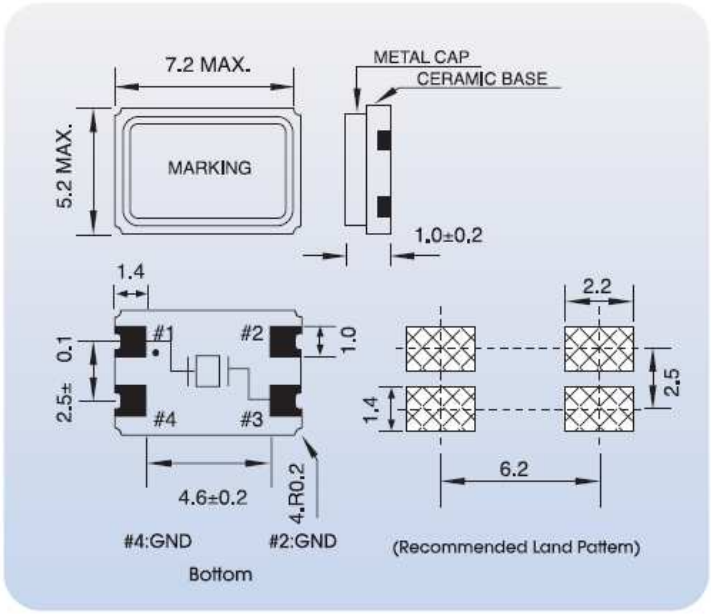
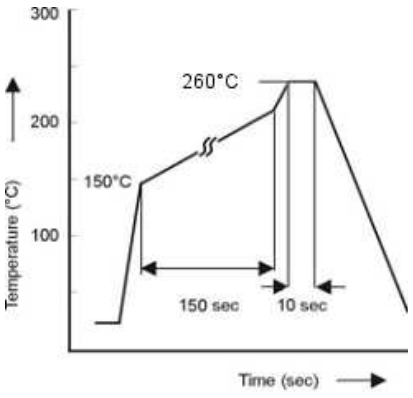
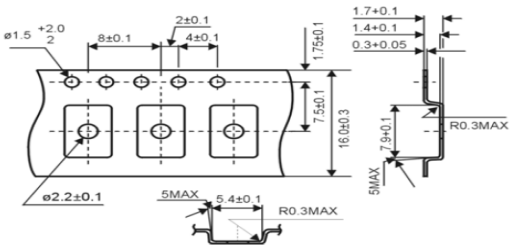
IC 18

Quartz Crystal Unit

Dimensions l/w/h in mm (max)	**7,2 x 5,2 x 1,2**
Frequency	6,0 MHz to 150,0 MHz
Operating Temperature	Refer to Ordering Guidance
Frequency Tolerance at 25℃	Refer to Ordering Guid ance
Frequency Stability in Operating Temp. Range	Refer to Ordering Guidance
Storage Temperature	-55℃ to +125℃
Load Capacitance (CL)	16 pF/ 18 pF/ 20 pF/ 30 pF/ 32 pF or series
Shunt Capacitance (C0)	7,0 pF max.
Series Resonance (R1)	6,000 MHz ~ 8,0 MHz 80 Ohm 8,001 MHz ~ 12,0 MHz 60 Ohm 12,001 MHz ~ 20,0 MHz 40 Ohm 20,001 MHz ~ 50,0 MHz 30 Ohm 50,001 MHz ~ 125,0 MHz 60 Ohm (3rd OT) 125,001 MHz ~ 160,0 MHz 120 Ohm (5th OT)
Drive Level µW max.	100 max.
Aging (df/F) first year at 25℃	± 3 ppm







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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

IC-Applications:
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
B	15	B	15
C	20	C	20
D	25	D	25
E	30	E	30
F	50	F	50
G	100	G	100
		H	-0,034
		I	-0,042

1	Fund
3	3rd OT
5	5th OT

A	0°C to + 70°C
B	-20°C to + 70°C
C	-10°C to + 60°C
D	-10°C to + 70°C
E	-40°C to + 85°C
F	-45°C to + 125°C
G	best

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