



actual size

Quartz Crystal · SM26F

Tuning Fork Crystal · 2.0 x 6.0 mm

- 2 x 6 mm cylinder type
- reflow soldering temperature: 260 °C max.
- package height: 2.1 / 3.25 mm max.



General Data

type	SM26F
frequency	32.768 kHz (30.0 ~ 100.0 kHz on request)
frequency tolerance at 25 °C ± 5 °C	± 20 ppm / ± 30 ppm (± 10 ppm ask if available)
load capacitance C_L	12.5 pF std. (6 pF ~ 12.5 pF on request)
temperature constant (T_C)	$T_C = -0.04 \cdot 10^{-6} / ^\circ\text{C}^2$ max. $T_C = -0.034 \cdot 10^{-6} / ^\circ\text{C}^2$ typical
frequency temperature characteristic	f (ppm) = $T_C \cdot (25^\circ\text{C} - T)^2$ T = requested temperature
operating temperature range	-20 °C ~ +70 °C / -40 °C ~ +85 °C
shunt capacitance C_0	1.2 pF typical
series resistance max. (ESR)	50.0 k Ω (35.0 k Ω ask if available)
storage temperature	-40 °C ~ +90 °C
drive level max.	1 μW
aging first year	< ± 5 ppm

Frequency Stability vs. Temperature

		- 80 ppm	- 160 ppm
-20 °C ~ +70 °C	STD.	●	
-40 °C ~ +85 °C	T1		●

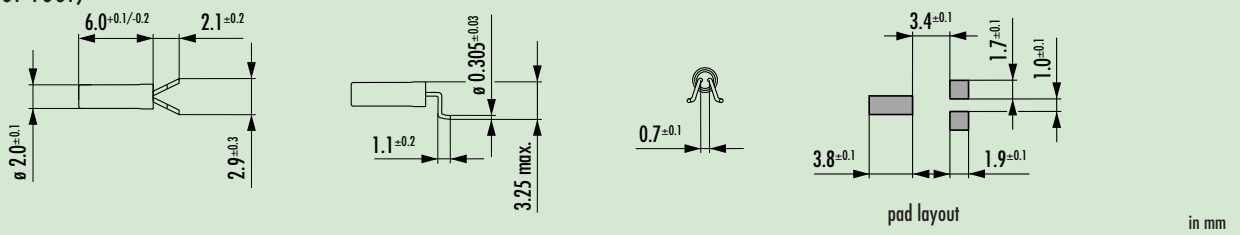
● standard

Marking

company code
frequency code (optional)
date code

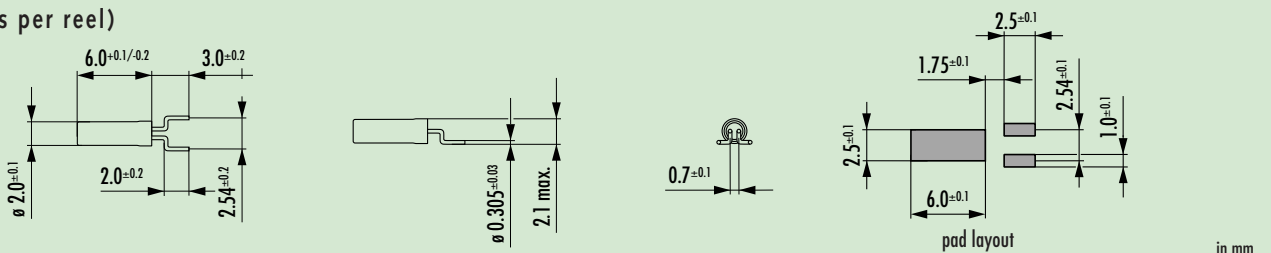
Dimensions type A

(1000 pcs per reel)



Dimensions type B

(1000 pcs per reel)



Order Information

Q	frequency	type	load capacitance	stability at 25 °C	dimensions type	option
Quartz	0.032768 MHz	SM26F	6 pF ~ 12.5 pF 12.5 pF Std.	30 ± 30 ppm 20 ± 20 ppm	A = lead type B = lead type	blank = -20 °C ~ +70 °C T1 = -40 °C ~ +85 °C

Example: Q 0.032768-SM26F-12.5-30-B-T1-LF

