



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 (28.0 ~ 80.0 kHz on request)
frequency tolerance at 25 °C ± 5 °C	± 20 ppm / ± 30 ppm
load capacitance C_L	12.5 pF (6 pF ~ 12.5 pF)
temperature constant	-0.04 · 10 ⁻⁶ / °C ² max. -0.034 · 10 ⁻⁶ / °C ² typical
frequency temperature characteristic	f (ppm) = -0.04 (25 °C - T) ² T = requested temperature
operating temperature range	-20 °C ~ +70 °C / -40 °C ~ +85 °C
shunt capacitance C_0	1.1 pF typical
series resistance max. (ESR)	50.0 kΩ
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

Date code (month / year)

date code:

A ~ M: Jan. - Dec.

5: 2005

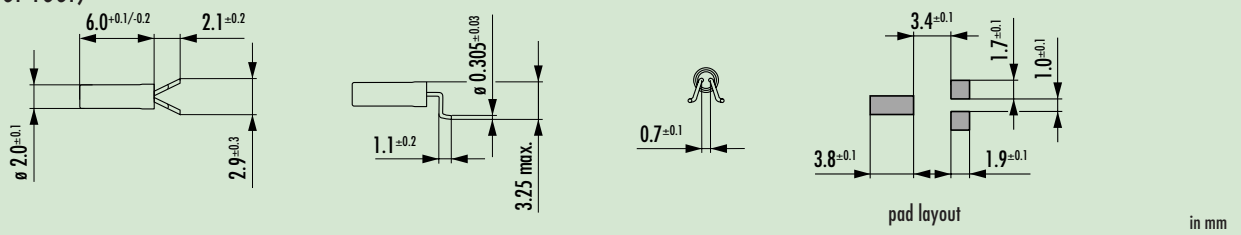
6: 2006

7: 2007

Jan.	Febr.	Mar.	Apr.	May	June
A	B	C	D	E	F
July	Aug.	Sept.	Oct.	Nov.	Dec.
G	H	J	K	L	M

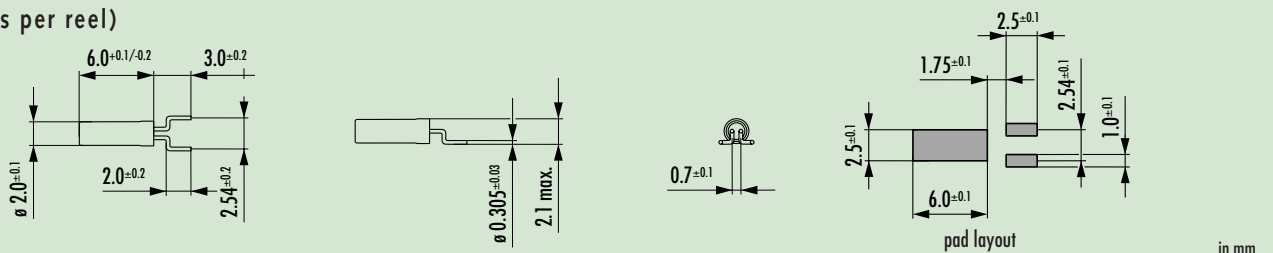
Dimensions type A

(1000 pcs per reel)



Dimensions type B

(1000 pcs per reel)



Order Information

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

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