



actual size

Quartz Crystal SM26F

- Tuning Fork Crystal • 2.0 x 6.0 mm
- 2 x 6 mm cylinder type
- package height: 2.1 / 3.25 mm max.



RoHS compliant



REACH compliant



Conflict mineral free

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	$\Delta f = T_C \cdot (T_A - T_{TP})^2$ in [ppm] T_A = actual ambient temperature $T_{TP} = 25 \text{ }^\circ\text{C} \pm 5 \text{ }^\circ\text{C}$ T_{TP} = turning point 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 kΩ (35.0 kΩ ask if available)
storage temperature	-40 °C ~ +90 °C
drive level max.	1 μW
aging first year	< ± 5 ppm

TABLE 1: FREQUENCY STABILITY VS. TEMPERATURE		
frequency stability	-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)

in mm

DIMENSIONS TYPE B

(1000 pcs per reel)

in mm

ORDER INFORMATION

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

Example: Q 0.032768-SM26F-12.5-20-B-T1-LF



B.C.E. S.r.l. - Via Regina Pacis, 54/c - Sassuolo (MO) - I 41049 - Italy
 Tel.: 0536 811616 - Fax: 0536 811500 - Web: www.bce.it - E-mail: bce@bce.it 10102018-41-72

Jauch Quartz GmbH • e-mail: info@jauch.com • full data can be found under: www.jauch.com
 All specifications are subject to change without notice