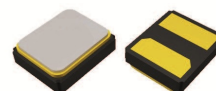


X112 32.768 kHz SURFACE-MOUNT CRYSTAL

FEATURES

- Smallest industry package size for 32.768 kHz, 2 pad package
- Extended temperature -40/+125°C for industrial applications
- Applications : Wireless applications , Commercial and Industrial applications

1.27 x 1.05 x 0.50 mm



Item	Symbol	Specification
Nominal Frequency	Fo	32.768 kHz
Cut		XY-cut
Operating temperature Range	To	-40° to +85°C / -40° to +125°C Please consult us.
Frequency Tolerance at 25°C	Δf/F	± 10 ppm or ± 20 ppm
Temperature coefficient	β	-0.040 ppm/°C² max
Load Capacitance (CL)	CL	6, 7, 9, 12.5 pF
Equivalent Series Resistance	ESR	90 kΩ max.
Insulation Resistance	Ri	500 MΩ min. (at 100Vdc)
Drive Level	DL	0.5 μW max.
Aging	Δf/F	±3ppm max (at 25°C, first year)
Packing Unit		3000pcs / reel
Soldering Condition		260°C, 10 sec x2 max

OPTIONS & ORDERING INFORMATION

X112-	 —	 —	32.768 kHz
	Freq. Tolerance	Load Capacitance	
	10 = ±10 ppm 20 = ±20 ppm	6 = 6.0 pF 7 = 7.0 pF 9 = 9.0 pF 12.5 = 12.5 pF	

OUTLINE DIMENSIONS

