

7.0 x 1.5 x 1.4mm

32.7680kHz

- Frequency 32.7680kHz (also 75kHz)
- Ultra-miniature size 7.0 x 1.5 x 1.4mm SMD
- Low mass and rugged construction
- Supplied taped and reeled





DESCRIPTION

AG crystals are ultra-miniature SMD components specifically designed to provide 32.768kHz for real-time clocks. Their ultra-small size and rugged construction make them suitable for a wide range of applications including battery powered, hand-held equipment and any application requiring miniaturization.

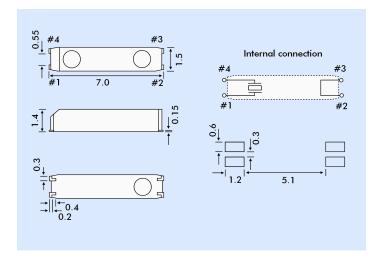
SPECIFICATION

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	Nominal Frequency:	32.7680kHz and 75.0kHz
	Calibration Tolerance:	± 20 ppm of ± 50 ppm (standard)
	Load Capacitance:	12.5pF standard or 7pF
	Equivalent Series Resistance 32.768kHz: 75.0kHz:	65kΩ maximum 30kΩ maximum
	Drive Level:	$1.0\mu W$ max, $0.5\mu W$ operating
	Parabolic Coefficient:	-0.04ppm/°C² maximum
	Peak Temperature:	+25°C
	Shunt Capacitance (C0):	0.8pF typical
	Motional Capacitance (C1):	1.9fF typical
	Ageing:	±3ppm/year max. at +25°C
	Insulation Resistance:	500MΩ min. @100VDC
	Crystal Cut:	X-Cut
	Operating Temperature Range:	-40° to +85°C
	Storage Temperature Range:	-55°C to +125°C
	Reflow Soldering:	10s max. @+260°C twice or <230°C for 3 minutes
	RoHS Status:	RoHS Compliant, pB free.
	Packaging:	16mm EIA tape and reel
		3000 pieces per reel

EUROQUARTZ STOCK NUMBERS

CL (pF)	Stock Number	Part Number
12.5	PH32768P	32.768kHz AG -12.5pF
7	PH32768Q	32.768kHz AG -7pF
12.5	PH75000R	75.000kHz AG - 12.5pF
	(pF) 12.5 7	

OUTLINE & DIMENSIONS



STABILITY OVER TEMPERATURE X-Cut Crystal

