"SSG" series 32.768 KHz Surface Mount Crystal

MERCURY
Since 1973

- ❒ RoHS compliant product
- ❒ Provide low cost timing to real time clocks and hand-held portable battery operated devices.
- ❒ Rugged high-temp plastic molded package for harsh environment.
- ❒ Withstand solder reflow. Tape and reel available.

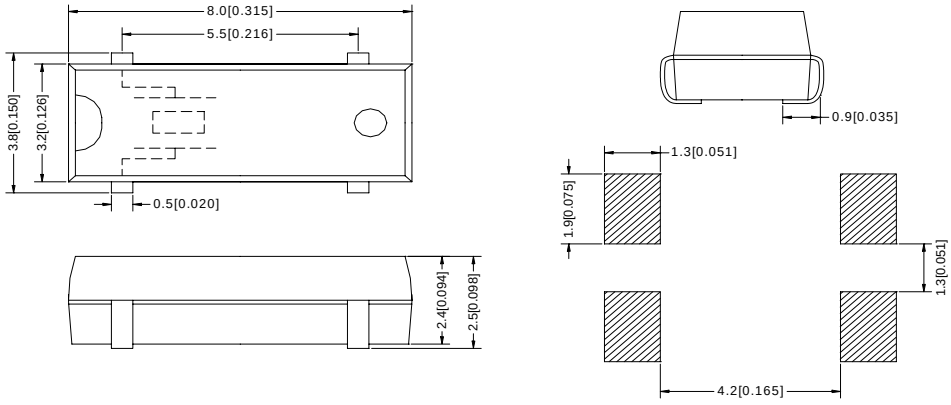


RoHS Compliant Product by Mercury

Specifications

MEC Part No.	SSG-32.768K-12.5P, RoHS compliant
Nominal Frequency	32.768 kHz
Crystal Cut	X-cut
Frequency Tolerance	±30 ppm at +25°C
Turnover Temperature	25°C±5°C
Operating Temperature	-40 to +80°C
Frequency-Temperature Coefficient	-0.034 ppm±0.006 ppm/°C^2
Load Capacitance	12.5 pF
Motional Capacitance (Co)	0.003 pF typical
Shunt Capacitance (C1)	1.35 pF max.
Capacitance Ratio (Co/C1)	450 typical
Equivalent Series Resistance	50 K ohms max.
Drive Level	1 uW max.
Insulation Resistance	500 MΩ min. at 100V±15V DC
Aging	±3 ppm per year max. at +25°C
Package Leak Rate	1x10^{-2}μPam^3/sec max.
Shock Resistance	±5 ppm max. at 3000Gx0.3 msec. half sine wave 3 directions
Storage Temperature	-55 to +125°C
Tape and Reel	13" reel. 3000 pc per reel.

Package Dimensions and Suggested Soldering Pattern



MERCURY www.mercury-crystal.com

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