

• ETDG Series

2.0*1.2 32.768KHz Crystal



The SMD type quarta crystal provides ultimate in size, performance, and economic trade-offs. So it is used as a clock source in communication equipment, measuring instrument, microprocessor and other time management application.

FEATURES

- Miniature Package
- Low resistance
- 32.768KHz Frequency
- Tight Tolerance

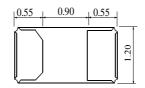
Electrical Specifications

Item	Туре	ETDG
Frequency Range	F0	32.768KHz
Load Capacitance	CL	12.5pF(7.0pF, 9.0pF Option)
Frequency Tolerance	△F/ F0	±20ppm(At 25°C)
Equivalent Series Resistance	ESR	80KΩ Max.
Temperature Cofficient	К	-0.035ppm* $(\triangle^{\circ}\mathbb{C})^{2} \pm 10\%$
Turnover Temperature	T0	25±5℃
Operating Temperature Range	Topr	- 40∼+85°C
Storage Temperature Range	Tstg	- 55~+125℃
Shunt Capacitance	C0	2.0pF Max.
Insulator Resistance	IR	500MΩ min. (At 100VDC)
Drive Level	DL	0.5µW Max.
Aging	Fa	\pm 3ppm max. (At 25°C ,First year)
Packing Unit		3000pcs/reel

**Please contact us for inquiries regarding other Specifications

Mechanical Dimensions(mm)





Recommended Solder Pattern

