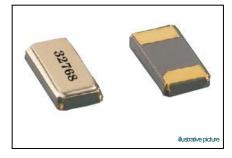




S1610 Series (1.6x1.0x0.5mm)



The tuning fork type quartz crystal provides ultimate in size, performance and economic tradeoffs. So, it is used as a clock source in communication equipment, measuring instruments, microprocessors and other time management applications.

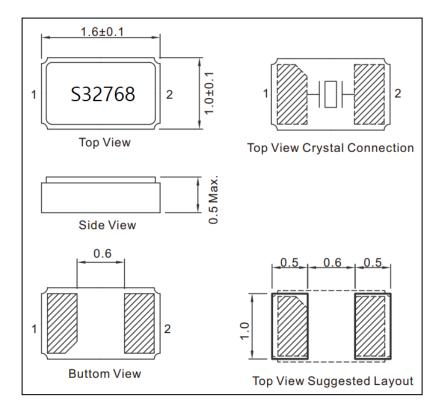
FEATURES

- Miniature Package
- Low Cost
- KHz Frequency
- Tight Tolerance

Electrical Specifications

Parameter	Symbol	Condition	Min	Тур	Max	Units
Frequency Range	Fo		32.768		32.768	KHz
Frequency Tolerance	$\Delta F/F_0$	at 25°C	±10	±20	±100	PPM
Temperature Stability	Tc	Ref to 25°C			-0.03±0.005	$PPM/(\Delta^{o}C)^2$
Operating Temperature Range	T _{OPR}		-40	-10 to +60	+85	٥C
Storage Temperature Range	T _{STG}		-40		+85	٥C
Shunt Capacitance	C ₀			1.3		pF
Load Capacitance	CL	Customer Specified	6	12.5	Series	pF
Insulator Resistance	I _R	100 V _{DC}	500			MΩ
Drive Level	DL		0.1		0.5	μW
Aging	Fa	at 25°C, per year	-3.0		+3.0	PPM
Equivalent Series Resistance (ESR)	Rs				90	KΩ

Mechanical Dimensions – mm (inch)



HIB Semicondutores EIRELI | Hosonic Industrial do Brasil LTDA

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