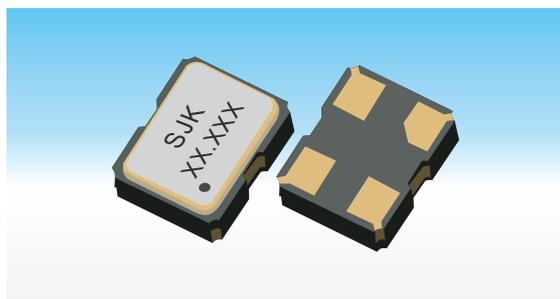


32.768KHz Clock Oscillator For Automotive

A2D Series SMD2520 32.768 KHz Clock Oscillator For Automotive O: CMOS Size: 2.5×2.0×0.8mm



Features

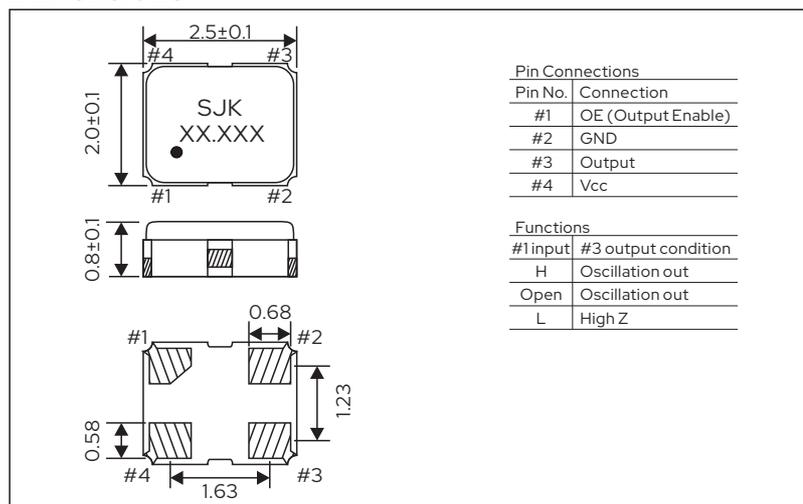
- SMD2520 seam sealed 32.768KHz clock crystal oscillator
- AEC-Q100 qualified
- 3-state function available
- Supply voltage: 1.8V~3.3V
- 32.768KHz frequency output, CMOS Output
- High stability, low phase jitter, low power consumption
- Application for Real Time Clock, System in sleep mode or low energy mode timekeeping, etc.
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	A2D Series SMD2520 32.768KHz Clock Oscillator For Automotive
Output Type		CMOS
Load condition		15pF, or specify
Frequency Range		32.768KHz
Supply Voltage		1.8V~3.3V
Frequency Stability (All Condition)		±25ppm, ±30ppm, ±50ppm, ±100ppm, or specify
Current Consumption		0.5mA max.
Stand-by Current		10µA max.
Symmetry		45~55%
0 Level Output Voltage (V _{OL})		0.1 V _{CC} max.
1 Level Output Voltage (V _{OH})		0.9 V _{CC} min.
Rise Time / Fall Time		40ns max.
OE Pin 0 Level Input Voltage (V _{IL})		0.2V _{CC} max.
OE Pin 1 Level Input Voltage (V _{IH})		0.8V _{CC} min.
Start-up Time		10ms max.
Operating Temperature Range		-40~+85°C, -40~+105°C, -40~+125°C, or specify
Storage Temperature Range		-55~+125°C
Phase Jitter (12KHz~20MHz)		1ps max.

Dimensions



Recommended Land Pattern [mm]

