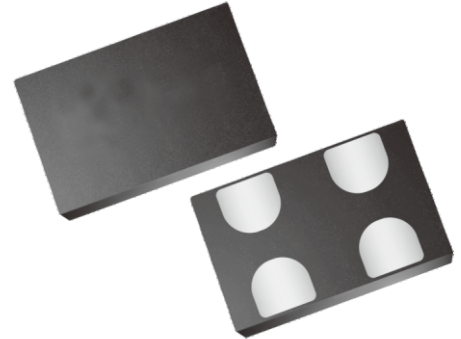


Ultra Performance MEMS MHz Oscillators

SMD Type	Output	Best Stability	Phase Jitter	Supply Voltage	Frequency Range
SJK8208	LVC MOS	10 ppm	0.5 pS	1.8V ~ 3.3V	1 MHz~80 MHz
[2.5×2.0, 3.2×2.5, 5.0×3.2, 7.0×5.0 mm]					

Features

- Surface mount package size 2.5×2.0 (2520), 3.2×2.5 (3225), 5.0×3.2 (5032), 7.0×5.0 (7050), mm×mm
- LVC MOS/LVTTL output, any frequency between 1 and 80MHz accuracy to 6 decimal places
- Frequency stability from as low as ±10ppm
- Ultra low phase jitter: 0.5ps (12KHz to 20MHz)
- RoHS and REACH Compliant, Pb-Free
- Low supply voltage of 1.8V; 2.5V to 3.3V
- Applications: Ethernet, WiFi, SATA, Computing, Storage, Telecom, Industrial control, Video, Audio, SAS, etc.



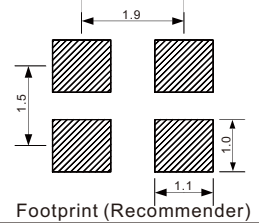
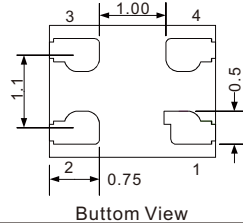
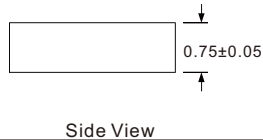
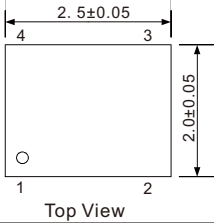
Standard Specifications

Item / Type	SJK8208
Dimensions	2.5×2.0×0.75, 3.2×2.5×0.75, 5.0×3.2×0.75, 7.0×5.0×0.9 mm
Output	LVC MOS /LVTTL
Frequency stability	±10ppm, ±20ppm, ±25ppm, ±50ppm
Output frequency range	1 MHz~80 MHz
Supply voltage	1.8V, 2.5V, 2.8V, 3.3V
Current consumption	33mA max.
OE disable current	31mA max.
Standby current	70µA max.
Duty cycle	45~55%
Rise /Fall time	2ns max.
Output voltage Voh /Vol	90% Vdd min. /10% Vdd max.
Input voltage Vih /Vil	70% Vdd min. /30% Vdd max.
Input pull-up impedance	2 MΩ min.
Enable/Diable time	150ns max.
Start-up time	10ms max.
Operation temperature	-20~+70°C, -40~+85°C
Storage temperature	-65~+150°C
RMS Phase jitter (12 KHz~20 MHz)	0.5 pS Typ.

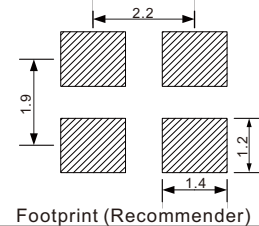
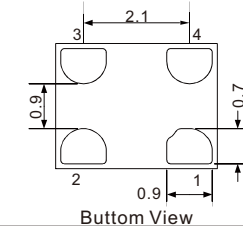
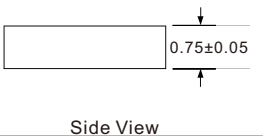
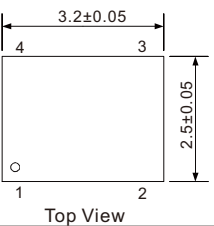
SMD Type	Output	Best Stability	Phase Jitter	Supply Voltage	Frequency Range
SJK8208	LVC MOS	10 ppm	0.5 pS	1.8V ~ 3.3V	1 MHz~80 MHz
[2.5×2.0, 3.2×2.5, 5.0×3.2, 7.0×5.0 mm]					

Outline Dimensions (Unit: mm)

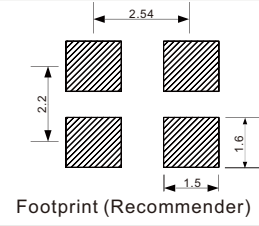
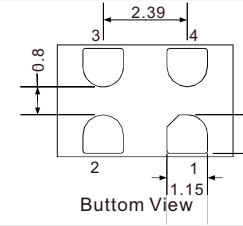
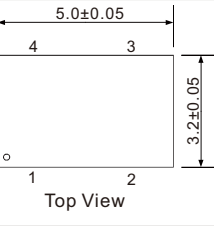
2.5×2.0×0.75 mm



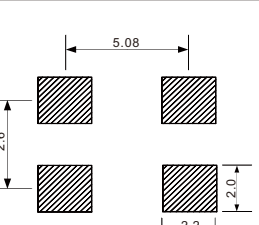
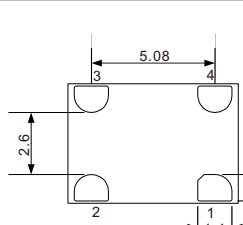
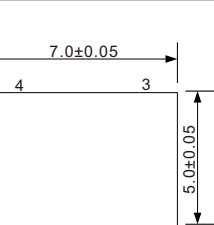
3.2×2.5×0.75 mm



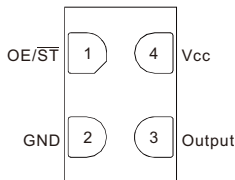
5.0×3.2×0.75 mm



7.0×5.0×0.90 mm



Pin Map



Pin	Connection	Function
1	OE/ \overline{ST}	Output Enable, Standby
2	GND	Electrical ground
3	OUT	Oscillator output
4	Vdd	Power supply voltage