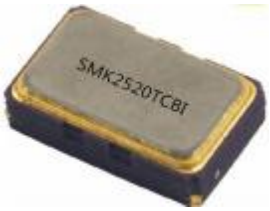
Model:SMK25201TCBI

Description

Surface mount temperature compensated crystal oscillator (TCXO) in a miniature ceramic package with a HCMOS output

2.5*2.0*0.9mm



APPLICATION

GPS
Smartphone
Communications
Consumer

Frequency Parameters

■Frequency	10–52MHz
■Frequency Tolerance @ 25°C	±0.50ppm
■Frequency Stability	±2.00ppm
■Operating Temperature Range	–40.00 to 85.00°C
■Ageing	±1ppm per year @ 25°C

■Supply Voltage Variation (@ ±5% change): ±0.2ppm max
■Load Variation (@ ±10% change): ±0.2ppm max

Electrical Parameters

■Supply Voltage	3.00V
■Supply Voltage Tolerance	±5%
■Current Draw	4.00mA max

Output Details

■Output Compatability	HCMOS
■Output Load	15pF
■Rise and Fall time (10% – 90%)	5ns max
■Duty Cycle	45/55% max

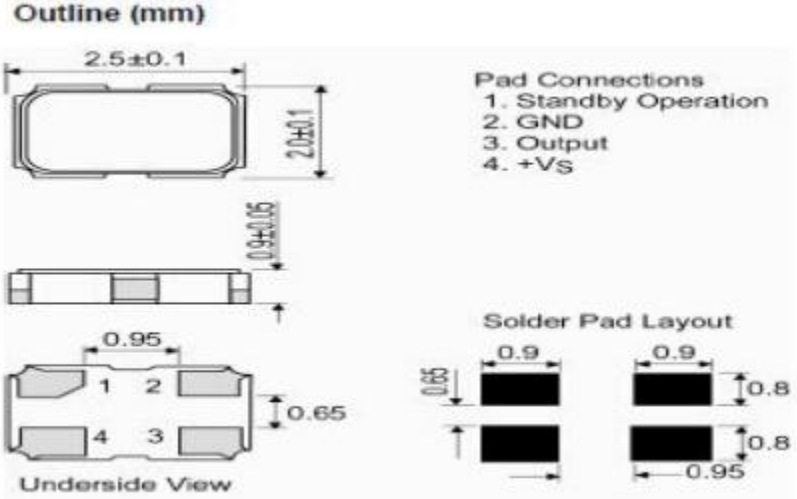
Output Control

■Standby Operation:
Logic '1' (≥70%Vs) to pad 1 enables oscillator output
Logic '0' (≤30%Vs) to pad 1 disables oscillator output; when disabled the oscillator output goes to the high impedance state
No connection to pad 1 enables oscillator output
Standby Current: 10 µA max

Noise Parameters

Phase Noise (typical): –145dBc/Hz @ 10kHz

Outline (mm)



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