

5x7 SMD OSCILLATOR(HCMOS/TTL)

•Part Number Guide

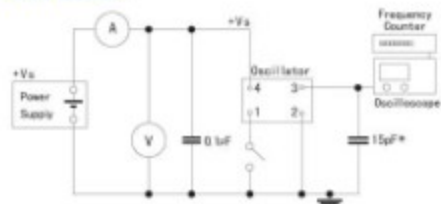
T-V-S-FF.FFFM- FS-OT-OP -TR-S

- (Type/型号): D=5x7x1.4mm BGA ceramic osc
- (Frequency/频率): 32.768KHZ
- (Input Voltage/输入电压): 1.8V, 1.8V 2.5V, 2.5V, 3.3V, 3.3V, 5V, 5V, etc
- (Symmetry/占空比): 50/50, 50/50, 50/50, etc
- (Frequency Stability/频率稳定性): 50ppm, etc
- (Operating Temperature/工作温度): 0000: 0°C to +70°C 0000: -40°C to +85°C, etc
- (Out put/输出): 1-10FF, 10FF, 2-10TTL, 3-10FF, 4-10FF, 5-10TTL, 10FF
- (Type and Size/规格)
- (Special Requirement/特殊要求)

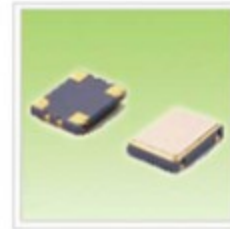
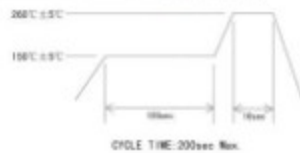
•Electrical Specifications

Frequency Range	Frequency Range	32.768KHZ
Frequency Stability	Frequency Stability	±20ppm to ±50ppm
Supply Voltage	Supply Voltage	1.8V or 3.3V ±10%
Operating Temperature Range	Operating Temperature Range	-40°C to +85°C to +125°C
Storage Temperature Range	Storage Temperature Range	-40°C to +85°C to +125°C
Symmetry (Duty Cycle)	Symmetry (Duty Cycle)	50/50 Standard
Output Load	Output Load	10 TTL or 15pF HCMOS
Current Consumption (Typical)	Current Consumption (Typical)	1.000MHz ~ 36.000MHz=25nA max
(5.0V)	(5.0V)	36.000MHz ~ 70.000MHz=40nA max
		70.000MHz ~ 150.000MHz=60nA max
Current Consumption (Typical)	Current Consumption (Typical)	1.000MHz ~ 36.000MHz=25nA max
(1.8V, 2.5V, 3.3V, 3.3V)	(1.8V, 2.5V, 3.3V, 3.3V)	36.000MHz ~ 70.000MHz=40nA max
		70.000MHz ~ 150.000MHz=60nA max
Rise/Fall Time	Rise/Fall Time	10ns max

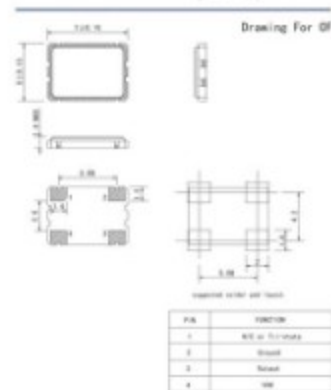
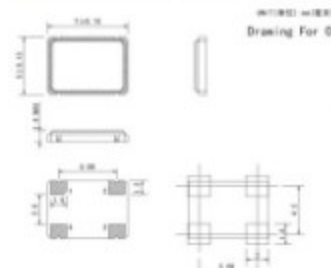
•Test Circuit



•Reflow Condition(回流焊条件)



•Mechanical Dimensions



PIN	FUNCTION
1	VCC or GND
2	Output
3	GND
4	VCC