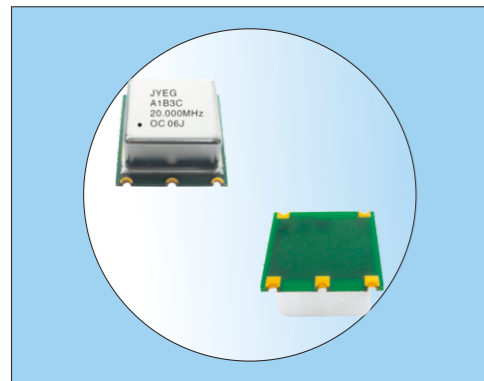


## Surface Mount Type Oven Controlled Crystal Oscillator / SMD-OCXO2522



### Features

- AT/SC Cut
- JYEG part number: JYOC22D
- Low Aging, Compact Package
- APPLICATIONS:  
PCS Base Station, Cellular Base Station  
Synthesizer, Digital Switching  
Measurement Equipment

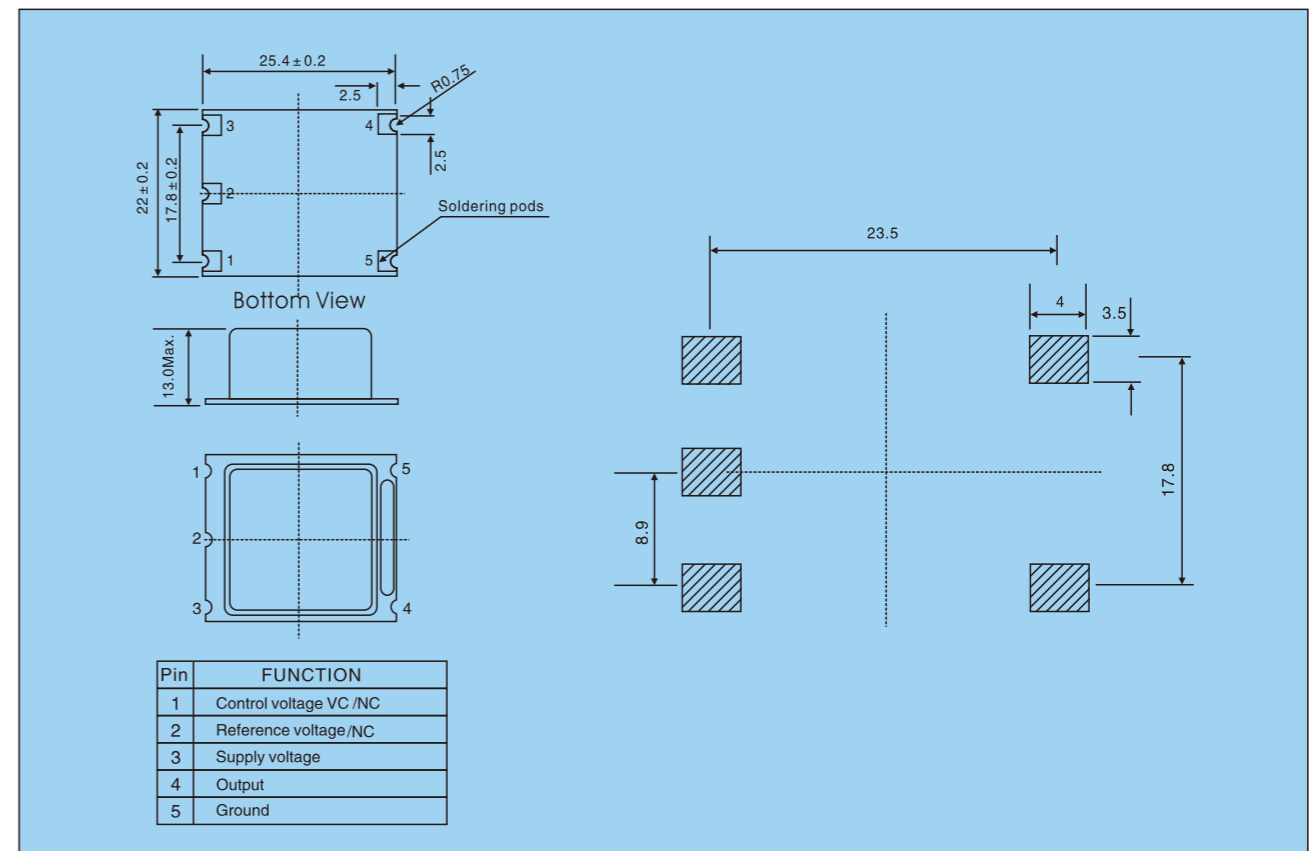
### TYPICAL SPECIFICATIONS

Type	SMDOCXO2522
Frequency Range	2~10 0MHz
Standard Frequency	10、12.8、20、38.88、10MHz
Frequency Accuracy	± 0.2ppm(center control voltage)
Frequency Stability vs Temperature	See Table 1
Aging(AT Cut)	± 2ppb/day, first year ± 300ppb, 10 years ± 2ppm
(SC Cut)	± 1ppb/day, first year ± 100ppb, 10years ± 0.5ppm
Short term Stability	1x10 <sup>-11</sup> /s(10MHz SC)
Frequency Stability vs Load	± 2ppb vs ± 10% load change (10MHz SC)
Supply Voltage	+ 3.3VDC, +5.0VDC
Frequency Stability vs Voltage	± 10ppb vs ± 5%voltage change
Supply Consumption	3.6W(Max.)when warm-up; 1.2W(Max.)when static
Warm-up Time(AT Cut)	± 0.2ppm, <3min
(SC Cut)	± 0.1ppm, <3min
Adjustable Frequency Range(AT Cut)	± 3.0ppm
(SC Cut)	± 0.7ppm
Control Voltage Range	0~3.3V, 0~5V
Slope	Positive
Linearity	± 10%
Phase Noise(10MHz) SC	10Hz, -120dBc/Hz
	100Hz, -140dBc/Hz
	1kHz, -145dBc/Hz
	10kHz, -150dBc/Hz
Storage Temperature Range	-40°C~+100°C

### FREQUENCY STABILITY VS TEMPERATURE TABLE 1

Frequency Stability vs Temperature	Temperature Range
± 50ppb(AT Cut)	0°C - +50°C
± 5ppb(SC Cut)	0°C - +50°C
± 100ppb(AT Cut)	-20°C - +70°C
± 10ppb(SC Cut)	-20°C - +70°C
± 100ppb(AT Cut)	-40°C - +75°C
± 30ppb(SC Cut)	-40°C - +85°C

### SMD-OCXO2522



### SOLDERING REFLOW PROFILE

