

## STO-3225B



### ■用途

Cellular and network equipment

### ■特長

- **HCMOS output with Tri-state function**
- Ceramic package, Size: 3.2×2.5×1.0 [mm]
- High stability ±2.5ppm / -30°C~+75°C
- Low current consumption
- Low phase noise, Low jitter



### ■仕様

Model	STO-3225B	
Frequency range	4.000 ~ 54.000 MHz	
Nominal Frequency [MHz]	5, 10, 12, 16, 20, 24, 32, 40, 44	
Storage temperature range	-40 ~ +125 °C	
Operating temperature range	-30 ~ +75 °C	
Frequency stability	Tolerance at 25°C	±1.5 × 10 <sup>-6</sup> (Sixty minutes after reflow)
	Temperature (+25°C basis)	±2.5 × 10 <sup>-6</sup> / -30~+75 °C
	Supply voltage stability	±0.2 × 10 <sup>-6</sup> / Vdd ± 5%
	Load stability	±0.2 × 10 <sup>-6</sup> / ZL ± 10%
Aging	±1.0 × 10 <sup>-6</sup> / year at +25°C	
Power supply voltage (Vdd)	+2.5V, +2.8V, +3.3V DC ±5%	
Current consumption	*note / 10uA max (Standby)	
Output level	C-MOS	
Load	15pF	
Output voltage level	VOL:10%Vdd max. / VOH:90%Vdd min.	
Rise & Fall time	5ns max. / 10%Vdd - 90%Vdd	
Duty cycle	45%~55% at 1/2Vdd	
Phase Noise / Jitter	-145dBc/Hz Typ. at 10kHz offset / 1σ 3ps typ.	
Tri-state Function	#1:N.C. or "H"→Output enable / #1:"L"→Output disable(Hi-Z)	

#### \*Reference/I<sub>dd</sub> Spec

Frequency	[mA max.]					
	4~10MHz	~20MHz	~30MHz	~40MHz	~54MHz	
2.5V	3.1	3.7	4.2	4.6	5.5	
2.8V	3.4	4.1	4.7	5.2	6.0	
3.3V	4.0	4.8	5.5	6.0	7.0	

特性向上の為、仕様を変更する場合があります。当社営業窓口にて最新の仕様をご確認下さい。

### ■外形・寸法 [単位:mm]

Terminal	Connection
#1	CE
#2	GND
#3	OUTPUT
#4	Vdd

Example of a Terminal Land Pattern