

STO-5032B



■用途

Cellular and network equipment

■特長

- **HCMOS output with Tri-state function**
- Ceramic package, Size: 5.0×3.2×1.05 [mm]
- High stability $\pm 2.5\text{ppm}$ / $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$
- Low current consumption
- Low phase noise, Low jitter



■仕様

Model	STO-5032B	
Frequency range	4.000 ~ 54.000 MHz	
Nominal Frequency [MHz]	5, 10, 12, 16, 20, 24, 32, 40, 44	
Storage temperature range	$-40 \sim +125^{\circ}\text{C}$	
Operating temperature range	$-30 \sim +75^{\circ}\text{C}$	
Frequency stability	Tolerance at 25°C	$\pm 1.5 \times 10^{-6}$ (Sixty minutes after reflow)
	Temperature (+25°C basis)	$\pm 2.5 \times 10^{-6}$ / $-30 \sim +75^{\circ}\text{C}$
	Supply voltage stability	$\pm 0.2 \times 10^{-6}$ / $V_{\text{dd}} \pm 5\%$
	Load stability	$\pm 0.2 \times 10^{-6}$ / $Z_L \pm 10\%$
Aging	$\pm 1.0 \times 10^{-6}$ / year at $+25^{\circ}\text{C}$	
Power supply voltage (Vdd)	+2.5V, +2.8V, +3.3V DC $\pm 5\%$	
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/Idd Spec

Frequency	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

[mA max.]

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