

## SHO-3225



### ■用途

Wireless-LAN, PLC modem, WiMax, Mobile communications, etc

### ■特長

- Ceramic package, Size: 3.2x2.5x0.9 [mm]
- High stability  $\pm 10\text{ppm}/-40^{\circ}\text{C}\sim+85^{\circ}\text{C}$
- Low current consumption 3.1mA typ. (40MHz Vdd=+2.5V)
- Low phase noise, Low jitter
- CMOS output with Tri-state function



### ■仕様

Model	SHO-3225
Frequency range	4.000 ~ 54.000 MHz
Nominal Frequency [MHz]	5, 10, 12, 16, 20, 24, 32, 40, 44
Storage temperature range	-40~+85°C
Operating temperature range	-40~+85°C
Frequency stability	$\pm 10 \times 10^{-6}$ , $\pm 15 \times 10^{-6}$ ※1
Power supply voltage (Vdd)	+2.5V, +3.0V, +3.3V DC $\pm 10\%$
Current consumption	7mA max. / 10uA max (Standby)
Output level	C-MOS
Load	15pF
Output voltage level	$V_{OL}: 10\%V_{dd}$ max. / $V_{OH}: 90\%V_{dd}$ 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 / 1 $\sigma$ 3ps typ.
Tri-state Function	#1:N.C. or "H"→Output enable / #1:"L"→Output disable(Hi-Z)

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。

※1 Frequency stability includes initial tolerance, temperature characteristics, supply voltage & load stability, reflow freq. shift, aging(1year @25°C).

### ■外形・寸法 [単位:mm]

Terminal	Connection
#1	CE
#2	N.C.
#3	GND
#4	OUTPUT
#5	N.C.
#6	Vdd

Example of a Terminal Land Pattern