

" OCXO " [Oven Controlled Crystal Oscillators]

Square wave " OC _ T "

Clipped Sine Wave " OC _ S "

True Sine Wave " OC _ E "

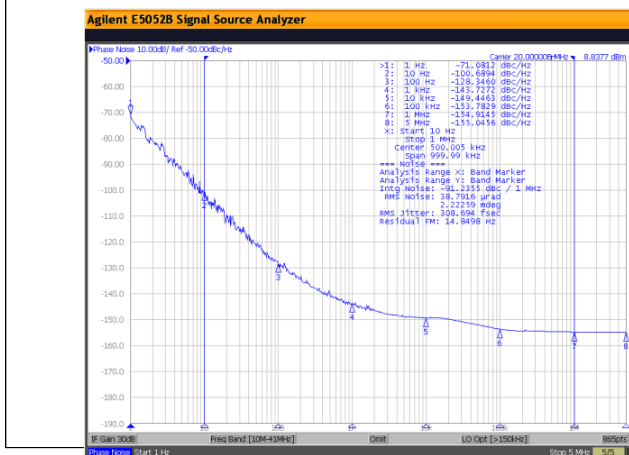
Part Number Format and Example

| | [1] | [2] | [3] | - | [4] | - | [5] | / | [6] |
|----------|-------------|-------------|----------------|---|------------------|---|---------------------|---|-----------------------|
| | Holder Type | Output Wave | Supply Voltage | | Center Frequency | | Frequency Stability | | Operating Temp. Range |
| Examples | (1) | OC12 | E | - | 10.000 | - | 200 | / | 0+70 |
| | (2) | OC18 | E | - | 100.000 | - | 100 | / | -30+70 |
| | (3) | OC51 | S | - | 10.000 | - | 30 | / | -20+70 |
| | (4) | OC14 | T | - | 5.000 | - | 10 | / | -40+85 |

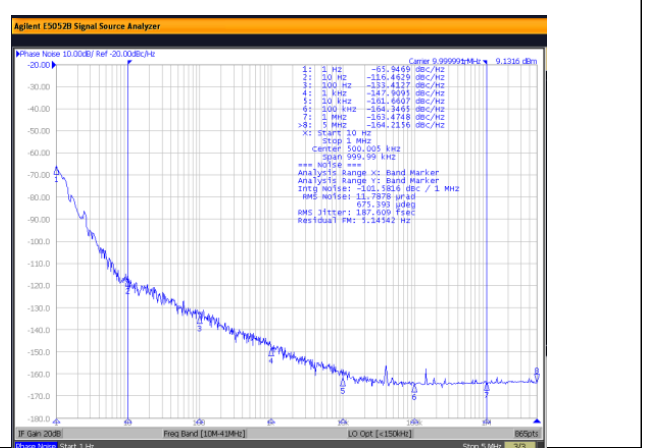
- Ex (1) : OC12E3 - 10.000 - 200 / 0+70 [OC12 type , True Sine wave , 3.3V , 10.000MHz , ± 200ppb from 0°C to 70°C]
 Ex (2) : OC18E12 - 100.000 - 100 / -30+70 [OC18 type , True Sine wave , 12V , 100.000MHz , ± 100ppb from -30°C to 70°C]
 Ex (3) : OC51S3 - 10.000 - 30 / -20+70 [OC51 type , Clipped Sine Wave , 3.3V , 10.000MHz , ± 30 ppb from -20°C to 70°C]
 Ex (4) : OC14T5 - 5.000 - 10 / -40+85 [OC14 type , Square Wave , 5.0V , 5.000MHz , ± 10 ppb from -40°C to 85°C]

| | |
|-------|--|
| [1] | Holder Type " OC_ _ " stands for OCXO , |
| [2] | " T " stands for Square Wave , " E " stands for True Sine Wave , " S " stands for Clipped Sine Wave ex 1 : OC14T, OC14 package, Square Wave output ; ex 2 : OC18E, OC18 package, True Sine wave ; ex 3 : OC51S, OC51 package, Clipped Sine Wave |
| [3] | Supply voltage , " 3 " for 3.3V D.C , " 5 " for 5.0V D.C , " 12 " for 12V D.C |
| [4] | Center Frequency in MHz |
| [5] | Frequency stability in ± _ ppb ; ex 1 : ±200ppb ---200 , ex 2 : ± 30ppb ---30 , ex 3 : ± 5ppb --- 5 |
| [6] | Operating temperature range in °C ex 1 : 0 °C to 70°C ----- 0+70 ; ex 2 : -30 °C to 70°C ----- -30+70 ; ex 3 : -40 °C to 85°C ----- -40+85 |

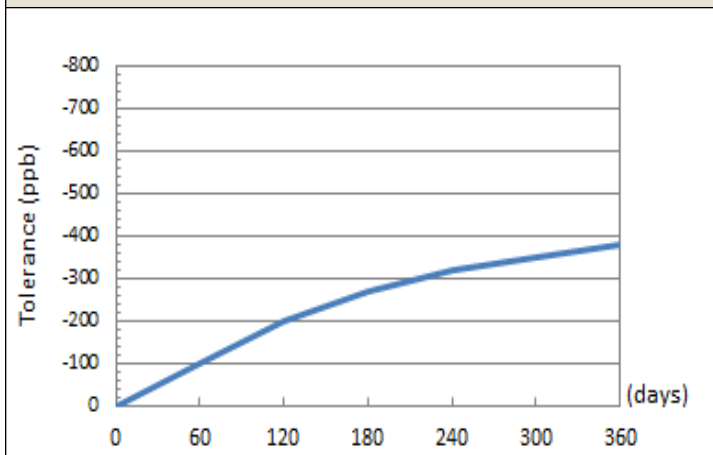
SSB Phase Noise : Clipped Sine Wave(OC51S-20.000)



SSB Phase Noise : Square wave(OC13T-10.000)



Aging : OC51S-20.000



Power Consumption vs Temperature (OC13T5-10.000)

