

Part Number Format and Examples :

[1] Voltage	[2] Type G ---	[3] Stability	[4] Tri-state ---	[5] Frequency ---	[6] Customer spec.
[1] Supply voltage , " 18 " for +1.8V ; " 25 " for +2.5V ; " 28 " for +2.8V ; " 3 " for +3.3V ; " 5 " for +5.0V	[2] Please add " G " after the " package type code " for RoHS compliance (SWO , H53 , H32 , H_576_ , H_53 , H_32 are RoHS compliant and lead-free products)	[3] Frequency Stability : please see previous page for the stability code [Frequency Stability ⁽¹⁾]	[4] " T " for Tri-state. Omit "T" if Tri-State is not required	[5] Frequency in MHz or KHz .	[6] Option or custom spec. code : " S " for 50%± 5% duty cycle , " 50P " for output load 50pF or "xxxxx" custom spec. code assigned by Mercury

- Ex (1) : 3H14G - BT - 10.000 - S represents +3.3V input voltage , full size 4 pins (dip type) package, RoHS compliance .
±50ppm stability from 0°C to 70°C , Tri-state function on pin # 1 , 10.000MHz , 50%± 5% duty cycle
- Ex (2) : 5H44G - A -20.000 - 2315 represents +5.0V input voltage , H44 package 4 pads SMD type , RoHS compliance ,
±25ppm from -10°C to 70°C , No Tri-state option , 20.000MHz , custom spec. No. 2315
- Ex (3) : 18SWO - C10T - 40.000 / -20+70 represents +1.8V input voltage , SWO package 4 pads SMD type , ±10ppm from -20°C to 70°C
Tri-state function on pad # 1 , 40.000MHz

T T L / HCMOS Square Wave Test Circuit

T T L / HCMOS Output Wave Form

	TTL	CMOS
V _{OH}	2.4V	90%
1.4V	50%	
V _{OL}	0.4V	10%

Duty Cycle = (T_H / T) × 100%

Outline Dimensions (Unit : mm) , Suggested pad Layout for SMDs

<p>[H32]</p> <p>Land Pattern (reference)</p> <p>Pad Connections : Pad 1 : Enable / Disable Pad 2 : Ground Pad 3 : Output Pad 4 : Supply Voltage</p>	<p>[H_53]</p> <p>Land Pattern (reference)</p> <p>Pad Connections : Pad 1 : Enable / Disable Pad 2 : Ground Pad 3 : Output Pad 4 : Supply Voltage</p>
<p>[SWO] , [H_57]</p> <p>Land Pattern (reference)</p> <p>Pad Connections : Pad 1 : Enable / Disable Pad 2 : Ground Pad 3 : Output Pad 4 : Supply Voltage</p>	<p>[H42 , HF42 , HW42 , HV42] , [H44 , HF44 , HW44 , HV44]</p> <p>MEC P/N H (height) H42 → 2.5 ± 0.2 H44 → 4.7 ± 0.2</p> <p>Pad Connections : Pad 1 : No connection Pad 2 : Ground Pad 3 : Output Pad 4 : Supply voltage</p>
<p>[HF5761 , HW5761]</p> <p>Bottom View</p> <p>H = height HF, HW: 1.9 mm max. HV: 1.8 mm max.</p> <p>Land Pattern (reference)</p> <p>Pad Connections : pad 1 : Tri - state (H_5761) pad 2 : No connection pad 3 : Ground pad 4 : Output pad 5 : No connection pad 6 : Supply Voltage</p>	<p>[HF5762 , HW5762 , HV5762]</p> <p>Bottom View</p> <p>H = height HF, HW: 1.9 mm max. HV: 1.8 mm max.</p> <p>Land Pattern (reference)</p> <p>Pad Connections : pad 1 : No connection pad 2 : Tri - state (H_5762) pad 3 : Ground pad 4 : Output pad 5 : No connection pad 6 : Supply Voltage</p>
<p>[H14 , HF14 , HW14 , HV14]</p> <p>Pin Connections : Pin 1 : (1) No connection (2) Output disabled when low Pin 7 : Ground Pin 8 : Output Pin 14 : Supply voltage</p>	<p>[H8 , HF8 , HW8 , HV8]</p> <p>Pin Connections : Pin 1 : (1) No connection (2) Output disabled when low Pin 4 : Ground Pin 5 : Output Pin 8 : Supply voltage</p>