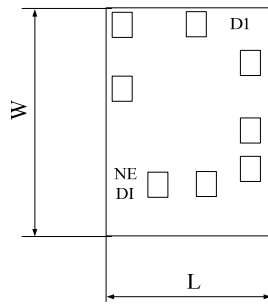


➤ **Product feature ver1.0**

- 1, 1 route driver
- 2, Input signal and TTL/CMOS compatible
- 3, Difference impulse signal output
- 4, Excellent drive power
- 5, High speed, low power dissipation

➤ **Product description**

WQD0001H is 1 route driver chip,it is used in the conversion from TTL/CMOS frequency to difference control grid frequency which used in GaAs FET microwave switch,attenuator,phase shifter, the high output frequency can be adjustable between 0V~2V,it has features like low cost,high speed and convenient in using.



L=0.8mm, W=1.3mm

Min Pression point:0.12mm×0.12mm, chip thickness:0.35mm

➤ **Typical electronic features (at 25°C)**

Feature <sup>1, 2</sup>	Frequency	Min	Max	Unit
Conducting delay (input50%~output50%)	DC-20MHz		25	ns
Shutting delay (input50%~output50%)	DC-20MHz		25	ns
Upedge (10%~90%)	DC-20MHz		8	ns
Downedge (10%~90%)	DC-20MHz		8	ns
High output frequency	DC-20MHz	-0.5		V
Low output frequency	DC-20MHz		-4.5	V
Static current			100	uA

1. condition: VDD=5V, VEE=-5V, VOPT=0V, output load grounding 24pF

1. High output frequency can be changed according with VOPT,generally the two are equal.

➤ **Truth table**

Input	Output	
IN	1P	1N
Logic 0	0	1
Logic 1	1	0

➤ **Chip outline**

