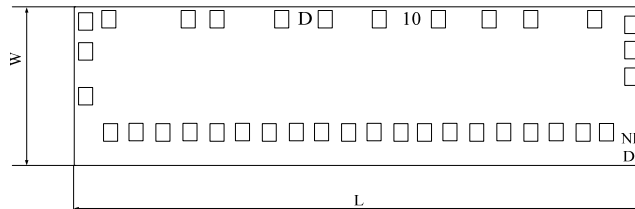


➤ **Product feature ver1.0**

- 1,10 routes drivers, each route operate autocephaly
- 2, Input signal and TTL/CMOS compatiabile
- 3, Difference impulse signal output
- 4, Excellent drive power
- 5, High speed, low power dissipation

➤ **Product description**

WQD0003H is a 10 routes 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=4.75mm, W=1.45mm

Min pressure point:0.12mm×0.12mm, chip thickness:0.35mm.

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

Feature <sup>1, 2</sup>	Frequency	Min	Max	Unit
Conducting delay (input50%~input50%)	DC-20MHz		25	ns
Shutting delay (input50%~input50%)	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			150	uA

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

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

## ➤ Truth table

x means route signal No.1~No.10.

Input	Output	
	xP	xN
Logic 0	0	1
Logic 1	1	0

## ➤ Chip outline

