



### Features

- All metal welded package.
- High precision characteristic covering up to wide frequency range from 1MHz up to 80MHz.
- 5V / 3.3V operating voltage.
- CMOS output.
- 3-state function.
- 8-Pin DIP (Half-Size Package)
- Applications: Telecommunications, Mobile communications, Avionics, Test equipments, Electronic instruments, etc.



### Electrical Specifications

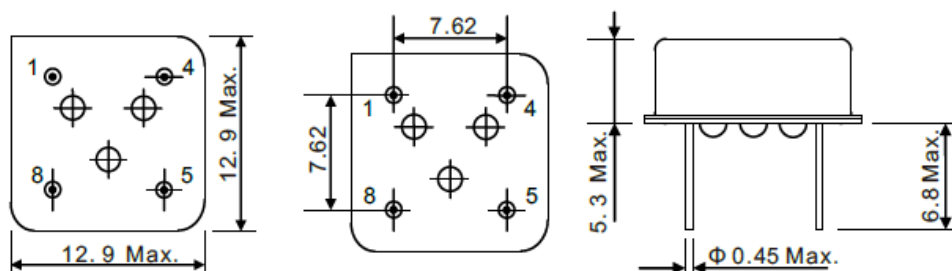
Type		THRU-HOLE VCXO	
Output Type	CMOS		
Package	All metal, hermetically sealed, welt package		
Supply current	40mA Max.	60mA Max.	
Supply Voltage	3.3V	5.0V	
Frequency Range	1MHz~80MHz		
Frequency Stability	±25ppm, ±50ppm		
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify		
Storage Temperature Range	-55~+125°C		
Load	15pF		
	Voltage Voh	3.0V Min.	4.5V Min.
	Voltage Vol	0.3V Max.	0.4V Max.
	Current Ioh	-4.0mA	-8.0mA
	Current Iol	4.0mA	8.0mA
	Duty Cycle	40/60 Max.	
	Rise/Fall Time	5ns Max.	
Frequency Control	Positive Transfer Characteristic		
	Pullability	±50ppm, ±100ppm, ±150ppm, ±200ppm Min.	
	Control Voltage	0.3Vdc to 3.0Vdc	0.5Vdc to 4.5Vdc
	Center Frequency	1.65Vdc	2.5Vdc
	Monotonic Linearity	<±15%	<±15%
	Input impedance	50kohms Normal	50kohms Normal

### Ordering Information

KVDH	01M	50	25	A		050
Product Code	Frequency Range 1MHz	Supply Voltage 33=3.3V 50=5.0V	Frequency Stability 25=±25ppm	Operating Temperature		Pullability 050=±50ppm
				A:-20~+70°C	D:-40~+125°C	
				B:-10~+70°C	E:-10~+60°C	
				C:-40~+85°C	F:-30~+70°C	

### Dimension

Units:mm



**PAD Function:**  
1: Control Voltage  
4: GND  
5: Out  
8: Vdd (5V/3.3V)