



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.
- 14-Pin DIP (Full-Size Package)
- Applications: Telecommunications, Mobile communications, Avionics, Test equipments, Electronic instruments, etc.



Electrical Specifications

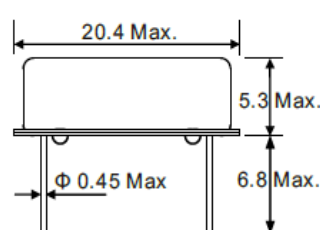
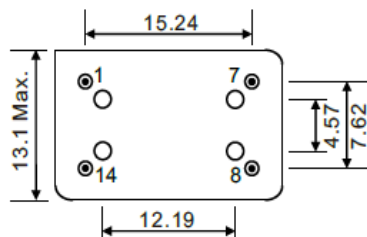
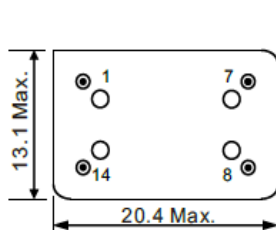
Type		THRU-HOLE VCXO	
Output Type		CMOS	
Package		All metal, hermetically sealed, welt package	
Supply current		40mA Max.	60mA Max.
Supply Voltage		3.3V	5.0V
Frequency Range		1MHz~80MHz	
Frequency Stability		±25ppm, ±50ppm	
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify	
Storage Temperature 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

KVDF	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
7: GND
8: Out
14: Vdd (5V/3.3V)