

# VH - W (8 pin DIL) VCXO April 10th 2012

Type VH-W 4 pin(8 pin DIL layout) (1.5 ~ 50)MHz

A small resistance weld shielded metal case suitable for custom specifications and nonstandard frequencies with extended custom performance criteria.

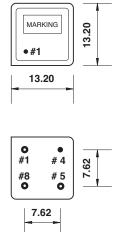
Wide pulling range, custom frequencies, good linearity

	+3.3Vd.c.	+5.0Vd.c.
Frequency range	(1.5 ~ 50)MHz	
Stability *	±(25 ~ 50)ppm, temperature range dependent	
Pulling range	±100ppm min.	
Control voltage V <sub>t</sub>	(+1.65 ±1.35)Vd.c.	(+2.5 ±2.0)Vd.c.,
Supply current max. (1.5 ~ 20)MHz (20 ~ 50)MHz	20mA 30mA	30mA 40mA
Output	TTL, CMOS	
Symmetry	(45 ~ 55)% - (40 ~ 60)%	
<b>Rise and fall time: **</b> (1.5 ~ 20)MHz (20 ~ 50)MHz	8nano. sec. max. 5nano. sec. max.	
Operating temperature	(-10 +60)°C, (-20 +70)°C, (-40 +85)°C	
Ageing	±5ppm first year max.	
Storage temperature	(-55 +125)°C	

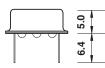
ageing, shock and vibration.

\*\* measured with an output load of 15pF, between (10 ~ 90)% V

#### VH-W dimensions(mm), through hole



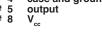
Pins viewed from bottom



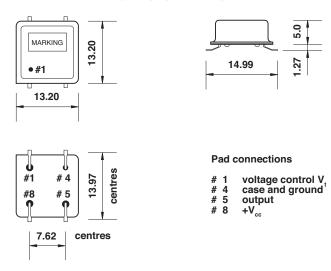
Pin diameter 0.45mm

**Pin connections** 

# voltage control V 1 # 4 case and ground # # 5 8



#### VH-W dimensions(mm), gull wing



Pads viewed from bottom Pad size (1.143 x 0.635)mm



## Type VH-W

### **Ordering information**

EXAMPLE	type VH-W VCXO oscillator, 40.00MHz, ±25ppm(-20 +70)°C frequency stability, ±100ppm pulling range, +3.3Vd.c., 8 pin DIL package, output CMOS 15pF, symme- try (45 ~ 55)%	
TFC PART NUMBER	VHW 40.0M E M C J *	
VHW	type: VH - W = VCXO type VH-W, 4 pin (8 pin DIL)	
40.0M	frequency: 40.0MHz, frequency range (1.5 ~ 50)MHz	
E	supply voltage: E = +3.3Vd.c.,	
м	frequency stability: $M = \pm 25$ ppm	
С	temperature range: $C = (-20 + 70)^{\circ}C$	
J	output logic and symmetry: J = CMOS 15pF, (45 ~ 55)%	
OPTIONS		
supply voltage	E: +3.3Vd.c., C: +5.0Vd.c.	
frequency stability	B: ±10ppm, C: ±20ppm, : M = ±25ppm, P = ±50ppm	
temperature range	<i>I:</i> (-10 +60)°C, <i>C:</i> (-20 +70)°C, <i>L:</i> (-40 +85)°C	
* GW	add suffix GW for gull wing pre-form of leads	