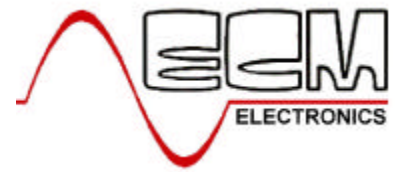
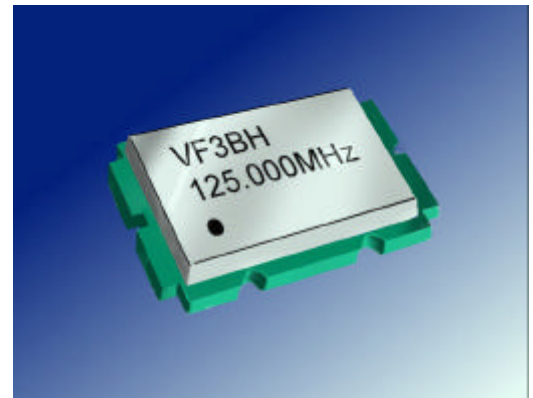


# Surface Mount Oscillator



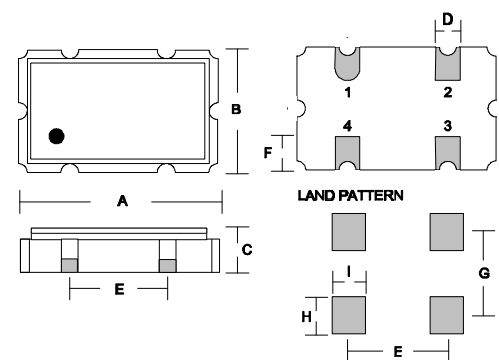
## ECM VF3 Series

- Wide Frequency Range
- Miniature Ceramic Package
- SMD Tri-state Oscillator
- Industrial Temperature Range Available



Parameter	VF3	
Frequency Range	1.8MHz to 125.0MHz	
Frequency Stability	+/-20, +/-25, +/-50ppm to 50MHz 100ppm over 70MHz	Specify
Supply Voltage	3.3V	
Supply Current	10mA to 25.0MHz 15mA to 50.0MHz 18mA to 67.0MHz 28mA to 125.0MHz	15pf Load
Load	10LS-TTL or 15pF	
Duty Cycle	45/55 to 50.0MHz 40/60 over 50.0MHz	
Rise & Fall Times	10nS max	5ns Typ
Logic "1" Level	0.9Vcc min	
Logic "0" Level	0.1Vcc max	
Enable Input	Input High (>2.5V) or floating ACTIVE	
Disable Input	Input LOW (<0.5V) INFINITE IMPEDENCE	
Start-up Time	10mS max	3mS Typ
Enable Disable Time	100nS	
Operating Temp	-10 <sup>0</sup> C to +70 <sup>0</sup> C (-45 <sup>0</sup> to +85 <sup>0</sup> C) Available	

Environmental & Mechanical	
<b>Mechanical Shock</b>	Mil STD 202 Method 213 Cond E
<b>Thermal Shock</b>	Mil STD 883 Method 1011 Cond A
<b>Vibration</b>	MIL-STD-883 Method 2007 Cond A
<b>Soldering Condition</b>	260 <sup>0</sup> C for 10s max: 230 <sup>0</sup> C for 90s max
<b>Hermetic Seal</b>	Leak rate less than 5x10 <sup>-8</sup> Atm.cc/s of helium



**Part Numbering: VF3 B H 1 125.00M**

Series \_\_\_\_\_  
 Stability \_\_\_\_\_  
 S= 20ppm A= 25ppm  
 B= 50ppm Blank = 100ppm  
 Symmetry \_\_\_\_\_  
 H= 45/55 Blank= 40/60  
 Temperature Range \_\_\_\_\_  
 Blank= 0<sup>0</sup>C to +70<sup>0</sup>C  
 1= -40<sup>0</sup>C to +85<sup>0</sup>C  
 Frequency \_\_\_\_\_

Pin	1	2	3	4
Function	Tristate	GND	O/P	Vcc

A	B	C	D	E	F	G	H
7.50	5.00	2.00	1.39	5.07	1.39	3.98	1.39

Dimensions in mm

ECM Electronics Limited, Penmaen House, Ashington, West Sussex, RH20 3JR, UK  
 Tel: +44(0)1903 892810: Fax: +44(0)1903 892738. Email: ecm@ecmelectronics.co.uk

Although we have attempted to accurately reflect the products we market. ECM reserve the right without prior notice to discontinue any product or make design changes we believe necessary.