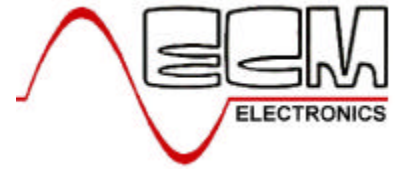


ECM Surface Mount Oscillator



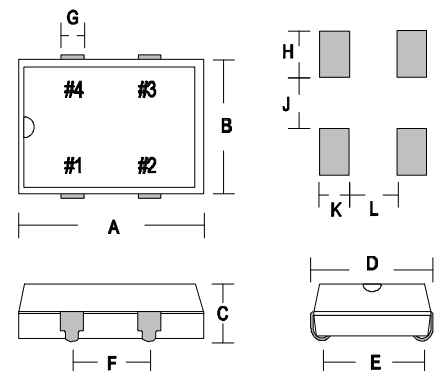
Valpey Fisher VF315

- Industry Standard Footprint
- Competitive Prices
- Industrial Temperature Range Available
- Output Enable



| Parameter | VF315 | Notes |
|---------------------|---|------------------------------|
| Frequency Range | 1.50MHz to 70.0MHz | |
| Frequency Stability | +/-100ppm (C) +/-50ppm (B) +/-25ppm (A) | Standard Option Option |
| Supply Voltage | 5V +/-5% 3.3V +/-5% | Standard Option |
| Supply Current | 16mA 22mA 32mA 56mA | No Load |
| Load | 10TTL gates or 50pF | |
| Duty Cycle | 40 / 60 45/55 | Standard Option |
| Rise & Fall Times | 5nS max | |
| Logic "1" Level | 0.9Vcc min | |
| Logic "0" Level | 0.1Vcc max | |
| Tri-state Function | Input HIGH (>2.5V) or floating ACTIVE Input LOW (<0.5V) INFINITE IMPEDANCE | |
| Start-up Time | 10mS max | 2mS Typ |
| Operating Temp | -10°C to +70°C (-45° to +85°C) Available | |

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



Part Numbering : VF315P H L 6.0M A 1

Type _____
Duty Cycle H=45/55
Blank = Standard
Supply Voltage
L=3.3V Blank =5.0V
Frequency
Stability
A=25ppm B=50ppm C=100ppm
Temperature Range
1= -40°C to +85°C Blank = Standard

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

| A | B | C | D | E | F | G |
|-------|------|------|------|------|------|------|
| 14.22 | 9.80 | 4.70 | 8.65 | 5.08 | 5.08 | 1.52 |

| H | J | K | L |
|------|------|------|------|
| 3.00 | 5.80 | 1.27 | 3.81 |

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.

Issue 1