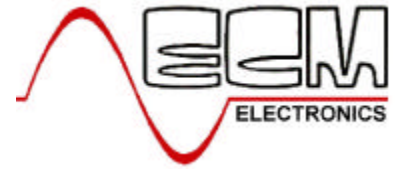


# ECM OCXO Crystal Oscillator

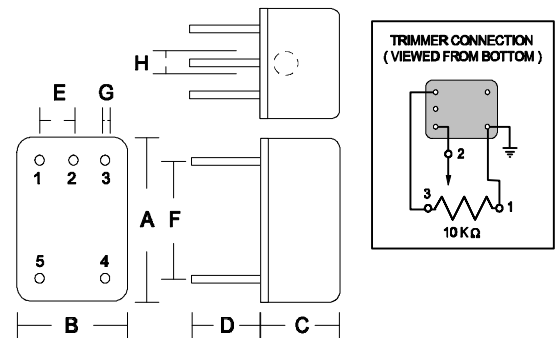


## ECO30 Series

- +/- 0.1ppm Stability
- Internal or External Trimmer
- Fast Delivery
- European Manufacture
- Custom Options



| Parameter   | ECO30   |                        |
|---|---|------------------------|
| Frequency Range   | 5.0MHz to 20.0MHz   | Specify                |
| Supply Voltage  | +5 (A)<br>+9 (B),<br>+12 (C)<br>+15 (D)<br>+18 (E)<br>+24 (F)   | Specify                |
| Supply Voltage Stability                                    | +/-0.05ppm +/-5%  |                        |
| Stability Over 24Hrs  | +/-0.05ppm  |                        |
| Adjustment  | +/-0.5ppm on delivery<br>(Vc at 2.5V )  | If Fitted              |
| Frequency Adjustment<br>Internal Trimmer<br>Voltage Control | +/-15pp min (Vc at 2.5V ) (A)<br>+/-15ppm over 0-5 Vc (B)<br>Both (C)   | If Fitted<br>If Fitted |
| Temperature Stability                                       | +/-0.1ppm 0°C to + 60°C A<br>+/-0.1ppm -10°C to + 60°C B<br>+/-0.2ppm -10°C to + 70°C C<br>+/-0.2ppm -40°C to + 70°C D<br>+/-0.1ppm -10°C to + 70°C E | Specify                |
| Output  | HCMOS   |                        |
| Symmetry  | 45/55%  |                        |
| Warm Up Time  | 1 Hour to Full Specification  |                        |
| Warm Up Power   | 7.5W max  |                        |
| Steady State  | 2W max @ 25°C in still air  |                        |
| Aging Cold Weld<br>Glass                                    | +/-0.05ppm/day after 24 Hours +/-3ppm 1 <sup>st</sup> yr<br>+/-0.02ppm/day after 24 Hours +/-1ppm 1 <sup>st</sup> yr                                  |                        |



| A    | B    | C    | D   | E    | F    | G    | H    |
|------|------|------|-----|------|------|------|------|
| 36.1 | 26.8 | 25.4 | 5.0 | 8.89 | 25.4 | 0.76 | 3.00 |

| Dimensions in mm |    |    |     |     |     |
|------------------|----|----|-----|-----|-----|
| Pin              | 1  | 2  | 3   | 4   | 5   |
| Connection       | Vc | Nc | Vcc | O/P | GND |

### Ordering Information

Part Number ECO30 H 10.0 B A B A  
 Type \_\_\_\_\_  
 Output \_\_\_\_\_  
 Frequency \_\_\_\_\_  
 Stability \_\_\_\_\_  
 Supply Voltage \_\_\_\_\_  
 Trim Option \_\_\_\_\_  
 Internal A  
 External B  
 Both C  
 Cold Weld  
 Glass

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

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