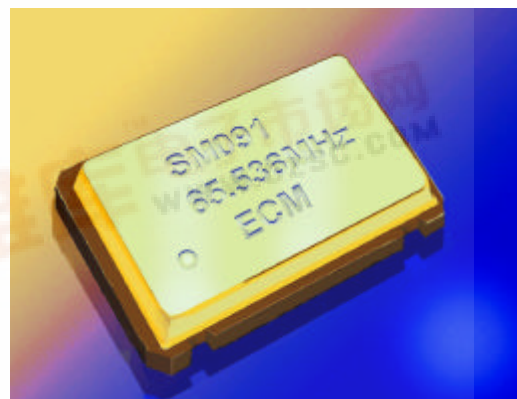


## ECM Surface Mount Oscillator

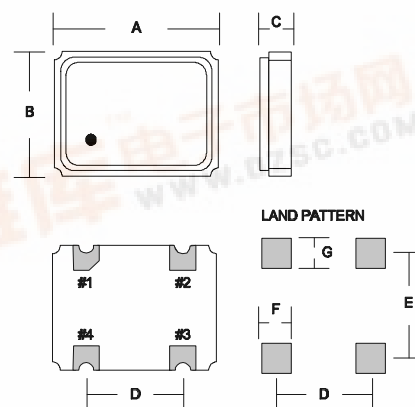
### ECX091 Series

- Surface Mount
- TTL and CMOS Compatible
- 3.3V Option
- Output Enable Standard
- Low Power Consumption
- Seam Welded



| Parameter           | ECX091                                   |                      |                      |
|---------------------|------------------------------------------|----------------------|----------------------|
| Frequency Range     | 1.80MHz to 70.0MHz                       |                      |                      |
|                     | ECX091-T                                 | EX091-C              | EX091-L              |
| Frequency Stability | (A) +/-25ppm (B) +/-50ppm (C) +/-100ppm  |                      |                      |
| Supply Voltage      | +5V                                      | +5V                  | +3.3V                |
| Supply Current      |                                          |                      |                      |
| 1.80 to 32.00MHz    | 10mA                                     | 10mA                 | 10mA                 |
| 32.0 to 50.00MHz    | 30mA                                     | 35mA                 | 18mA                 |
| 50.0 to 70.0 MHz    | 50mA                                     | 55mA                 | 20mA                 |
| 70.0 to 125.0MHz    | Consult Sales Office                     | Consult Sales Office | Consult Sales Office |
| Load                | 10TTL                                    | 15pF                 | 15pF                 |
| Duty Cycle          | 45 - 55                                  | 45 - 55              | 45 - 55              |
| Rise & Fall Times   | 10nS max                                 | 10nS                 | 5nS max              |
| Operating Temp      | -10°C to +70°C (C)<br>-40°C to +85°C (E) |                      |                      |
| Start-up Times      |                                          |                      |                      |
| 1.80 to 32.00MHz    | 5mS max                                  | 5mS max              | 5mS max              |
| 32.0 to 70.00MHz    | 10mS max                                 | 10mS max             | 10mS max             |
| 70.1 to 125MHz      | Contact Sales Office                     | Contact Sales Office | Contact Sales Office |

| Environmental & Mechanical |                   |
|----------------------------|-------------------|
| Mechanical Shock           | JIS-C-6701        |
| Thermal Shock              | JIS-C-9701        |
| Vibration                  | JIS-C-6701        |
| Soldering Condition        | 230°C for 10s max |
| Hermetic Seal              | JIS-C-6701        |



| Pin      | 1              | 2   | 3   | 4   |
|----------|----------------|-----|-----|-----|
| Function | Enable Disable | GND | O/P | VDD |

| A    | B    | C    | D    | E    | F    | G    |
|------|------|------|------|------|------|------|
| 7.50 | 5.00 | 1.60 | 5.08 | 4.20 | 1.40 | 2.00 |

Dimensions in mm

Part Numbering: **ECX091** **T** **E** **6.0M** **B**

Series \_\_\_\_\_

Option \_\_\_\_\_

Temperature Range \_\_\_\_\_

Frequency \_\_\_\_\_

Stability \_\_\_\_\_