

# ECM Standard Low Profile Crystal

## HC49/4 - HC49/S

- In Depth Stock
- Standard Frequencies
- Fast Delivery
- Competitive Prices For Volume Users
- Custom Options Available

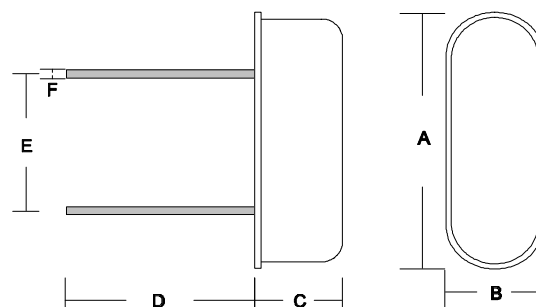


| Parameter                   | HC49/4-HC49/S ECM10E                            |                             |
|-----------------------------|-------------------------------------------------|-----------------------------|
| Frequency Range             | 3.200MHz to 50.000MHz<br>50.001MHz to 75.000MHz | Fund<br>3 <sup>rd</sup> O/T |
| Calibration Tolerance @25°C | +/- 30ppm standard<br>other options available   | Specify                     |
| Temperature Tolerance       | +/- 50ppm<br>other options available            | Specify                     |
| Operating Temperature       | -10°C to +60°C<br>other options available       | Specify                     |
| Storage Temp                | -55°C to +125°C                                 |                             |
| Load Capacitance            | 10pf to ∞ or Series                             | Specify                     |
| ESR                         | 40Ω to 200Ω<br>Frequency Dependant              |                             |
| Shunt Capacitance           | 7.0pf max                                       |                             |
| Drive Level                 | 1.0mW max                                       |                             |
| Ageing                      | +/- 3ppm First Year                             |                             |

| Environmental & Mechanical |                                           |
|----------------------------|-------------------------------------------|
| Temperature Cycle          | MIL-STD-883C<br>Method 1010.7             |
| Shock                      | MIL-STD-883C<br>Method 2002               |
| Vibration                  | MIL-STD-883C<br>Method 2007.2             |
| Humidity                   | JIS C 5021-22                             |
| Gross Leak Test            | MIL-STD-883C<br>Method 1014.9 Condition A |

### Standard Frequencies in MHz.

|          |          |          |
|----------|----------|----------|
| 3.579545 | 8.192    | 18.432   |
| 3.6864   | 9.8304   | 19.6608  |
| 4.00     | 10.00    | 20.00    |
| 4.032    | 10.752   | 22.1184  |
| 4.096    | 11.0592  | 24.00014 |
| 4.194304 | 12.00    | 24.576   |
| 4.433619 | 12.288   | 28.224   |
| 4.9152   | 14.31818 | 29.4912  |
| 6.00     | 14.7456  | 32.00    |
| 6.144    | 15.36    | 32.768   |
| 7.3728   | 16.00    | 35.2512  |
| 7.68     | 16.384   | 40.32    |
| 8.00     | 16.9344  | 56.448   |



| A     | B    | C    | D     | E    | F    |
|-------|------|------|-------|------|------|
| 11.20 | 4.65 | 3.50 | 12.70 | 4.90 | 0.43 |

Dimensions in mm

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Issue 1