

Resistance Welded HC-49/S Surface Mount Package

FEATURE

- Height 4.0mm or 3.0mm, compact unit for surface mount
- Able to by means of a metal case and completely sealed high solution characteristics
- Copes with high density mounting and is the optimum for mass production



ELECTRICAL SPECIFICATIONS

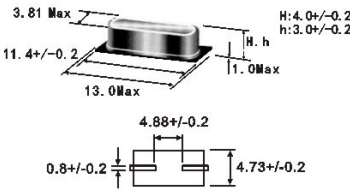
| Item                                                 | Specifications                                                    |
|------------------------------------------------------|-------------------------------------------------------------------|
| Frequency Range                                      | 3.579545 to 100.000MHz                                            |
| Load Capacitance(C <sub>L</sub> )                    | Series,16pF, 18pF, 20pF, 30pF, or specify                         |
| Frequency Tolerance(at 25 ± 2°C)                     | ± 30ppm at 25 ± 2°C(standard) or specify                          |
| Operating Temperature Range                          | -10°C---+60°C (standard), -20°C---+70°C, -40°C---+85°C,or Specify |
| Frequency Stability Over Operating Temperature range | ± 30ppm(Typical), or specify                                      |
| Storage Temperature Range                            | -40°C---+ 85°C                                                    |
| Shunt Capacitance (C <sub>0</sub> )                  | 7pF Max                                                           |
| Drive Level                                          | 100 μ W Typical                                                   |
| Insulation resistance                                | More than 500MΩ AT DC100V                                         |
| Aging(at 25° C)                                      | ± 5ppm/year maximum                                               |

\*Please consult our sales representative for other specifications.

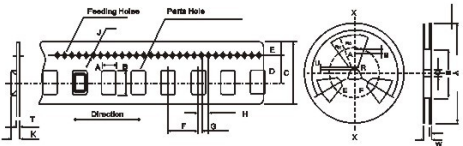
EQUIVALENT SERIES RESISTANCE(ESR) AND OSCILLATION MODE

| Frequency Range      | ESR(Ω) | Mode           | Frequency Range      | ESR(Ω) | Mode              |
|----------------------|--------|----------------|----------------------|--------|-------------------|
| 3.579545MHz~5.999MHz | 150Max | Fundamental/AT | 24.000MHz~40.320MHz  | 30Max  | Fundamental/BT    |
| 6.000MHz~7.999MHz    | 60Max  | Fundamental/AT | 24.000MHz~29.999MHz  | 100Max | Third Overtone/AT |
| 8.000MHz~15.999MHz   | 50Max  | Fundamental/AT | 30.000MHz~49.999MHz  | 80Max  | Third Overtone/AT |
| 16.000MHz~30.000MHz  | 30Max  | Fundamental/AT | 50.000MHz~100.000MHz | 60Max  | Third Overtone/AT |

DIMENSION(mm)



TAPE SPECIFICATION(mm)



| Description           | Code | Dimensions     |
|-----------------------|------|----------------|
| Flanges               |      |                |
| Diameter              | A    | φ 330+/-2.0    |
| Thickness             | t    | 2.4+/-0.2      |
| Width between Flanges | W    | +2.0<br>24.4-0 |
| Flanges               |      |                |
| Outline Diameter      | B    | φ 100+/-2.0    |
| Center Coresilt       |      |                |
| Width                 | F    | 2.3+/-1.0      |
| Depth                 | V    | 6.0+/-1.0      |
| Position              | Q    | 120o+/-3.0°    |
| Spindle Diameter      | C    | φ 13.0+/-0.5   |
| Key Seats             |      |                |
| Width                 | E    | 2.5            |
| Depth                 | U    | 5.0+/-0.5      |
| Position              | Q    | 120° +/-3.0°   |
| Fenestrate            |      |                |
| Outline Radius        | Ro   | R90+/-1.0      |
| Inline Radius         | Ri   | R40+/-1.0      |
| Rounded Corners       | Rc   | +2.0<br>R5-0   |
| Open Angle            | R    | 40° +/-2°      |

| Code | Dimension   | Code | Dimension                | Code | Dimension      |
|------|-------------|------|--------------------------|------|----------------|
| A    | 5.0+/-0.1   | E    | 1.75+/-0.1               | J    | φ 1.5(+0.1,-0) |
| B    | 15.0+/-0.2  | F    | 8.0+/-0.1/<br>12.0+/-0.1 | K    | 5.0+/-0.1      |
| C    | 24.0+/-0.3  | G    | 2.0+/-0.1                | T    | 5.0+/-0.1      |
| D    | 11.05+/-0.1 | H    | 4.0+/-0.1                |      |                |