

Quartz SMD, Epoxy

Features:

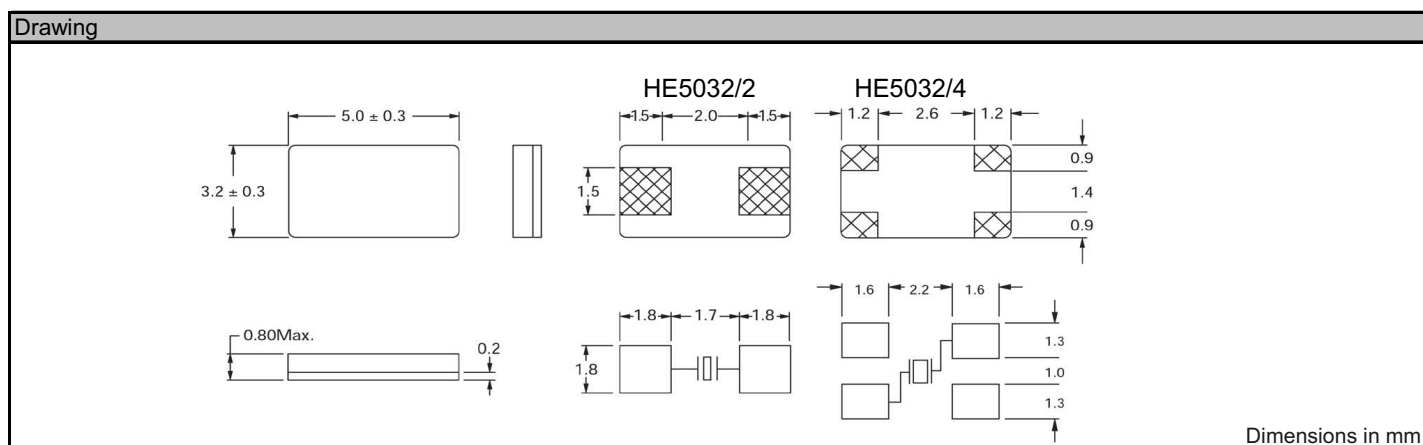
- Application: Bluetooth, wireless LAN
- Ultra-thin and small leadless type
- Automatic mounting is enabled by emboss taping
- Reflow soldering
- RoHS conform



HE5032/2
HE5032/4

| Specifications | | | | |
|------------------------------|-------------------------|------------------|-----------------------|--------------------|
| | | Symbol | HE5032 | Remarks |
| Frequency range | | f | 12.000MHz – 40.000MHz | Fundamental mode |
| Frequency tolerance, Ta=25°C | | f/f | ± 30ppm ~ ±50ppm | Please specify |
| Load capacitance | | C _L | 10pF ~ 30pF | Please specify |
| Temperature tolerance | | f/f | ± 30ppm ~ ± 50ppm | Please specify |
| Temperature range | Storage temperature | T _{STG} | -30°C ~ +85°C | |
| | Operating temperature | T _{OPR} | 0°C ~ +70°C | Others are offered |
| Drive level | Maximum drive level | M _{DL} | 500 W | |
| | Recommended drive level | R _{DL} | 20 W ~ 100 W | |
| Series resistance | | R ₁ | As per table | 25°C |
| Shunt capacitance | | C ₀ | 7pF | Max |
| Insulation resistance | | I _R | 500M Ohm | Min |
| Aging | | f _A | ± 5ppm/Year | |

| Resistance of series resonance (ESR) | | | | | | |
|--------------------------------------|-------------|-----|--|-----------------|-------------|-----|
| Frequency (MHz) | Mode | Ohm | | Frequency (MHz) | Mode | Ohm |
| 12 – 16 | Fundamental | 80 | | 16 – 40 | Fundamental | 50 |



| Order key | | | | | | | | |
|-----------|--------------|----------------------------|---------------------|---------------------|-------------------------|-----------------------------------------------------------------------------------------------------------|------------------|---------------------------------------|
| Q | - 40.000000M | - HE5032/2 | - F | - 30 | - 30 | - A | - 30 | - TR |
| Part | Frequency | Package | Mode of oscillation | Frequency tolerance | Temperature tolerance | Temperature range | Load capacitance | Option |
| Q=Quartz | M=MHz | HE5032/2 HE5032/4 | F=fund. | +/-ppm (25°C) | +/-ppm (Temp. range) | A= 0°C ~ 70°C B=-10°C ~ 60°C C=-10°C ~ 70°C D=-20°C ~ 70°C H=-20°C ~ +80°C I=-10°C ~ +50°C | pF SR=series | TR=Tape and reel X=Special options |
| | | /2 = 2 pads /4 = 4 pads | | | | | | |

Remarks: All specifications subject to change without notice!