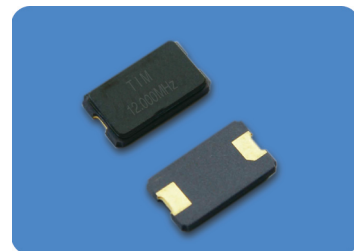


## GLASS SEALED SMD CRYSTAL 8.0 × 4.5mm(SMD8045)

## FEATURES

- Leadless type
- Reflow soldering
- It is a completely type with a metal case sealed on a ceramic board
- Ultra-miniature package



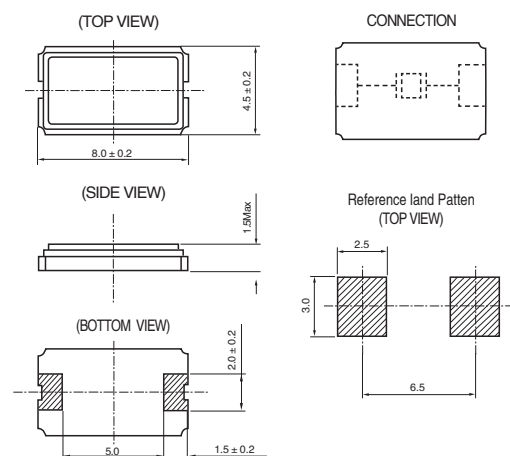
## SPECIFICATIONS

| ITEM                                                    | DESCRIPTION                                    |
|---------------------------------------------------------|------------------------------------------------|
| Frequency range                                         | 6.000000MHz~80.000000MHz                       |
| Frequency Tolerance(at 25°C)                            | ± 30ppm(STD)、± 5ppm ~ ± 50ppm or specify       |
| Operating Temperation Range                             | -10°C~+60°C、-20°C~+70°C、-40°C~+85°C or specify |
| Frequency Stability Over Operating Temp Characteristics | ± 30ppm(STD)、± 10ppm ~ ± 50ppm or specify      |
| Equivalent Series Resistance                            | see table No.1                                 |
| Storage Temperature Range                               | -55°C ~ +125°C                                 |
| Shunt Capacitance (Co)                                  | 7.0pF Max                                      |
| Load Capacitance (CL)                                   | series 16pF、20pF、30pF、32pF or specify          |
| Drive Level                                             | 10uw~100uw                                     |
| Insulation Resistance                                   | 500M ohms Min / DC 100V                        |
| Aging                                                   | ± 3ppm/year                                    |

## EQUIVALENT SERIES RESISTANCE(ESR) TABLE No.1

| Frequency Range     | Mode         | ESR(Ω) |
|---------------------|--------------|--------|
| 6.000MHz~7.999MHz   | Fundamental  | 100Max |
| 8.000MHz~9.999MHz   | Fundamental  | 80Max  |
| 10.000MHz~13.999MHz | Fundamental  | 60Max  |
| 14.000MHz~40.000MHz | Fundamental  | 40Max  |
| 30.000MHz~44.999MHz | 3rd Overtone | 70Max  |
| 45.000MHz~80.000MHz | 3rd Overtone | 60Max  |

## OUTLINE DIMENSIONS (mm)



## PART NUMBER

|      |        |                 |                            |                           |                             |                             |                      |             |
|------|--------|-----------------|----------------------------|---------------------------|-----------------------------|-----------------------------|----------------------|-------------|
| TIM- | XG8045 | F               | 16.000000                  | ± 20                      | ± 30                        | -20°C~+70°C                 | 20                   | 40          |
|      | Type   | oscillator mode | Frequency(MHz)             | Frequency tolerance (ppm) | temperature stability (ppm) | operating temperature range | Load capacitance(pf) | ESR(Ω) Max  |
|      |        | F:Fundamental   | 16.000000:<br>16.000000MHz | ± 20: ± 20ppm             | ± 30: ± 30ppm               |                             | 20:20pf<br>00:SERIES | 40:40 Ω Max |