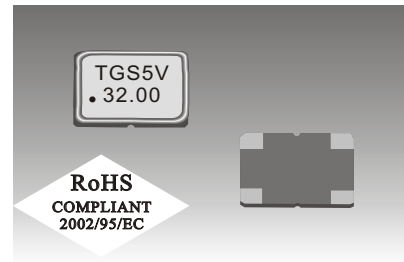


FEATURES

- Small Size 3.2X2.5X1.2mm
- Available in Tristate(Control via pin 1)
- Supply Voltage 3.3V & 5.0V
- Ceramic Surface Mounted
- Lead Free available

APPLICATIONS

- IT Applications
- Data Communications
- Tele Communications
- Automotive Electronics



SPECIFICATION *

| Parameters | Product | Option Code |
|-----------------------------------|---|-------------|
| | COM32 | COM32 |
| Frequency Range: | 1.544 ~100MHz | △ Specify |
| Supply Voltage(V _{DD}): | +3.3V(±5%) | △ 3 |
| | +5.0V(±5%) | △ 5 |
| Enable/Disable Function: | N/A | △ 0 |
| | Tristate(control via pin 1) | △ 1 |
| Frequency Stability: | ±25ppm | △ A |
| | ±50ppm | △ B |
| | ±100ppm | ▲ C |
| Operating Temp. Range: | 0°C~+70°C | ▲ D |
| | -10°C~+60°C | △ E |
| | -20°C~+70°C | △ F |
| | -40°C~+85°C | △ G |
| Storage Temp. Range: | -40°C~+85°C | ▲ |
| | -55°C~+125°C | △ |
| Symmetry: | 40:60 | △ H |
| | 45:55 | △ I |
| Supply Current (Max.): | See Table 1 | ▲ Specify |
| Start up Time: | 10 ms Max. | ▲ |
| Rise/Fall time: | 10ns Max. | ▲ |
| Output Voltage: | 5.0V: `0` level=10%V _{DD} Max./0.5V Max. | ▲ |
| | `1` level=90%V _{DD} Min./4.5V Min. | ▲ |
| | 3.3V: `0` level=10%V _{DD} Max./0.5V Max. | ▲ |
| | `1` level=90%V _{DD} Min./2.4V Min. | ▲ |
| Output Load: | 1-10TTL//15PF | ▲ 01 |
| | 1-10TTL | △ 02 |
| | HCMOS 15pF | △ 03 |
| | HCMOS 30pF | △ 04 |
| | HCMOS 50pF | △ 05 |
| Aging: | ±5ppm Max. | ▲ |
| Package: | Tape/Reel | △ T |
| Other Values: | Lead Free | △ LF |

▲ Standard * Specifications Subject to Change Without Notice
 △ Optional: please specify required code when inquiring or ordering

PACKAGE

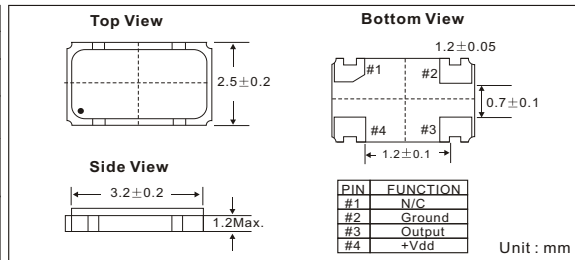
- Standard package in T/R: 1000pcs/Reel, 2Reel/ box, 5 box/carton
 See page 121 for detail dimensions

PART NUMBER GUIDE

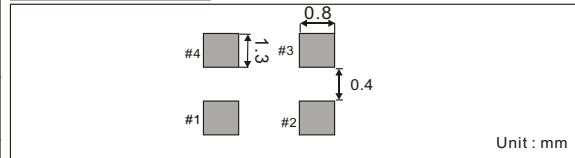
| | | | | | | | | | | |
|------|---------|----------|---------------|----------------|---|-----------------|-----------------------|----------|-------------|-----------------|
| TGS | CO | M | 32 | 5 | 0 | B | D | H | 01 | -32M000 |
| Mark | Product | SMD Type | 3.2x2.5x1.2mm | Supply Voltage | Enable/Disable Function 0:N/A 1:Tristate(control via pin 1) | Freq. Stability | Operating Temp. Range | Symmetry | Output Load | Frequency Range |

e.g. Full P/N.: TGS COM3250BDH01-32M00

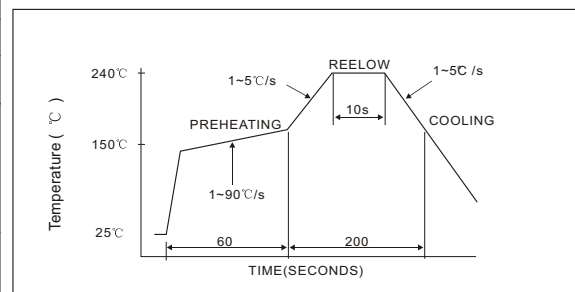
DIMENSIONS



SOLDER PATTERN



SOLDER REFLOW PROFILE



SUPPLY CURRENT

| Freq. Range (MHz) | Supply current. Max (mA) |
|-------------------|--------------------------|
| 1.544 ~ 35.999 | 25 |
| 36.00 ~ 69.999 | 60 |
| 70.00 ~ 100.00 | 80 |

ENABLE/DISABLE FUNTION

| Input (Pin1) | Output (Pin 3) |
|--------------|----------------|
| Open | Enabled |
| `1` Level | Enabled |
| `0` Level | High Impedance |

