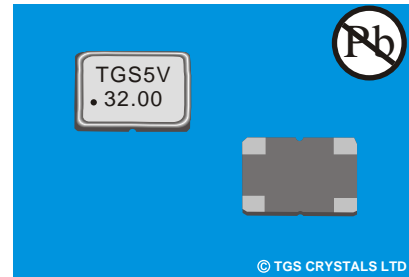


**FEATURES**

- Small Size 7.0X5.0X1.75mm
- Aviliable 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
	COM75	COM75
Frequency Range:	0.50 ~125MHz	△ Specify
Supply Voltage(V <sub>DD</sub> ):	+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	▲
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.	▲
	6ns Max(>40.0MHz)	▲
Output Voltage:	5.0V: 0` level=10%V <sub>DD</sub> Max./0.5V Max. `1` level=90%V <sub>DD</sub> Min./4.5V Min.	▲
	3.3V: 0` level=10%V <sub>DD</sub> Max./0.5V Max. `1` level=90%V <sub>DD</sub> Min./2.4V Min.	▲
		▲
		▲
Output Load:	1-10TTL//15PF	▲ 01
	1-10TTL	△ 02
	HC MOS 15pF	△ 03
	HC MOS 30pF	△ 04
	HC MOS 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**

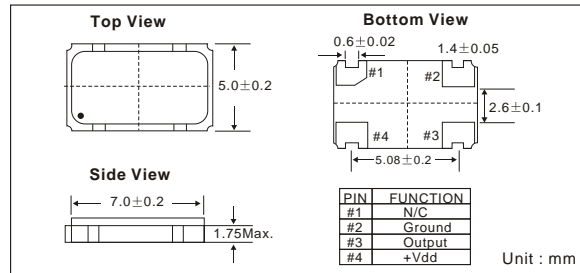
- Standard package in T/R: 1000pcs/Reel, 2Reel/ box, 5 box/carton  
 See page 89 for detail dimensions

**PARTNUMBER GUIDE**

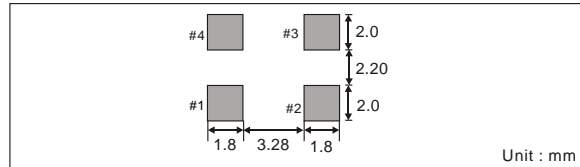
TGS	CO	M	75	5	0	B	D	H	01	-32M00
Mark	Product	SMD Type	7.0x5.0x1.75mm	Supply Voltage	Enable/Disable Function 0:N/A 1:Tristate(control via pin 1)	Freq. Stability	Operating Temp. Range	Symmetry	Output Load	Frequency Range

e.g. Full P/N.: TGS COM7550BDH01-32M00

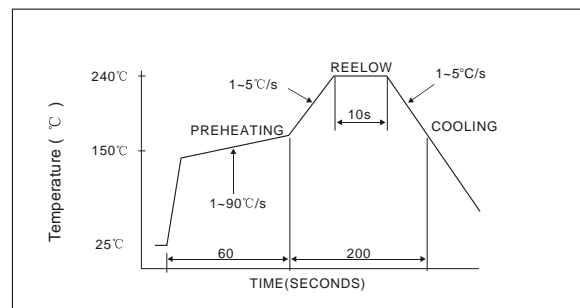
**DIMENSIONS**



**SOLDER PATTERN**



**SOLDER REFLOW PROFILE**



**SUPPLY CURRENT**

Table 1

Freq. Range (MHz)	Supply current. Max (mA)	Freq. Range (MHz)	Supply current. Max (mA)
0.500 ~ 14.900	10	50.00 ~ 59.900	30
15.00 ~ 29.900	15	60.00 ~ 79.900	35
30.00 ~ 39.900	20	80.00 ~ 99.900	45
40.00 ~ 49.900	25	100.00 ~125.00	50

**ENABLE/DISABLE FUNTION**

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

