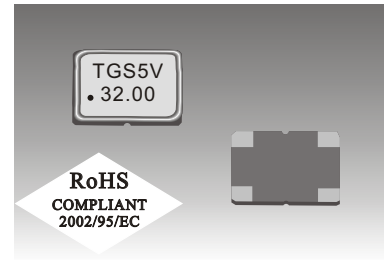


FEATURES

- Small Size 5.0X3.2X1.3mm
- 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
	COM53	COM53
Frequency Range:	1.0 ~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 ¹ level=10%V _{DD} Max./0.5V Max.	▲
	1 ¹ level=90%V _{DD} Min./4.5V Min.	▲
	3.3V: 0 ¹ level=10%V _{DD} Max./0.5V Max.	▲
	1 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

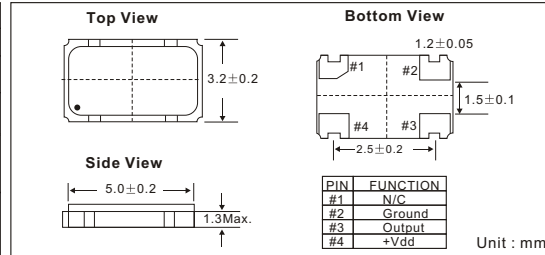
- Standard package in T/R: 1000pcs/Reel, 2Reel/ box, 5 box/carton
- See page 121 for detail dimensions

PARTNUMBER GUIDE

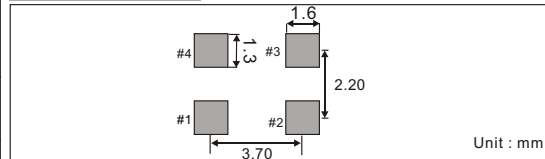
TGS	CO	M	53	5	0	B	D	H	01	-32M000
Mark	Product	SMD Type	5.0x3.2x1.3mm	Supply Voltage	Enable/Disable Function 0:N/A 1:Tristate(control via pin 1)	Freq. Stability	Operating Temp. Range	Symmetry	Output Load	Frequency Range

e.g. Full P/N.: TGS COM5350BDH01-32M00

DIMENSIONS



SOLDER PATTERN



SOLDER REFLOW PROFILE

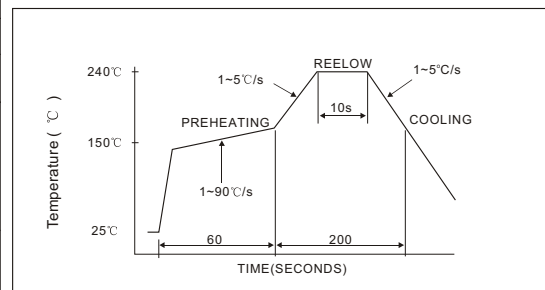


Table 1

SUPPLY CURRENT

Freq. Range (MHz)	Supply current. Max (mA)
1.000 ~ 35.999	25
36.00 ~ 69.999	60
70.00 ~ 100.00	80

ENABLE/DISABLE FUNTION

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

