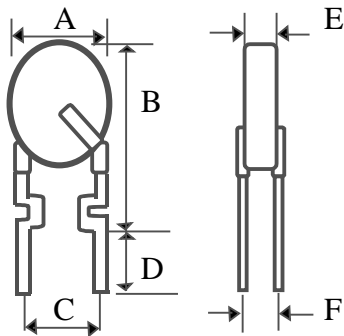


# GBX

# MASSUSE PTC FUSE

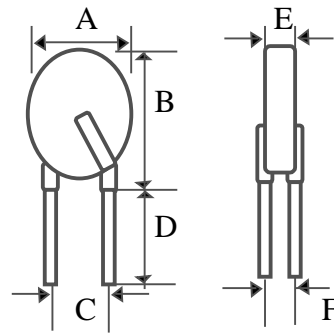
## DIMENSIONS

FIGURE 1 (GBX010-GBX090)



LEAD SIZE :  $\Phi 0.51$

FIGURE 2 (GBX110-GBX375)



LEAD SIZE :  $\Phi 0.81$

## ELECTRICAL CHARACTERISTICS (20°C)

Model Number	I <sub>H</sub> (amps)	I <sub>T</sub> (amps)	V max (volts)	I max (amps)	Pd max (watts)	R min (Ω)	R max (Ω)
GBX005	0.05	0.1	72	40	0.38	10	20
GBX010	0.1	0.2	72	40	0.38	2.5	4.5
GBX017	0.17	0.34	72	40	0.48	2	3.2
GBX020	0.2	0.4	72	40	0.41	1.83	2.84
GBX025	0.25	0.5	72	40	0.45	1.25	1.95
GBX030	0.3	0.6	72	40	0.49	0.88	1.36
GBX040	0.4	0.8	72	40	0.56	0.55	0.86
GBX050	0.5	1	72	40	0.77	0.5	0.77
GBX065	0.65	1.3	72	40	0.88	0.31	0.48
GBX075	0.75	1.5	72	40	0.92	0.25	0.4
GBX090	0.9	1.8	72	40	0.99	0.2	0.31
GBX110	1.1	2.2	72	40	1.5	0.15	0.25
GBX135	1.35	2.7	72	40	1.7	0.12	0.19
GBX160	1.6	3.2	72	40	1.9	0.09	0.14
GBX185	1.85	3.7	72	40	2.1	0.08	0.12
GBX250	2.5	5	72	40	2.5	0.05	0.08
GBX300	3	6	72	40	2.8	0.04	0.06
GBX375	3.75	7.5	72	40	3.2	0.03	0.05

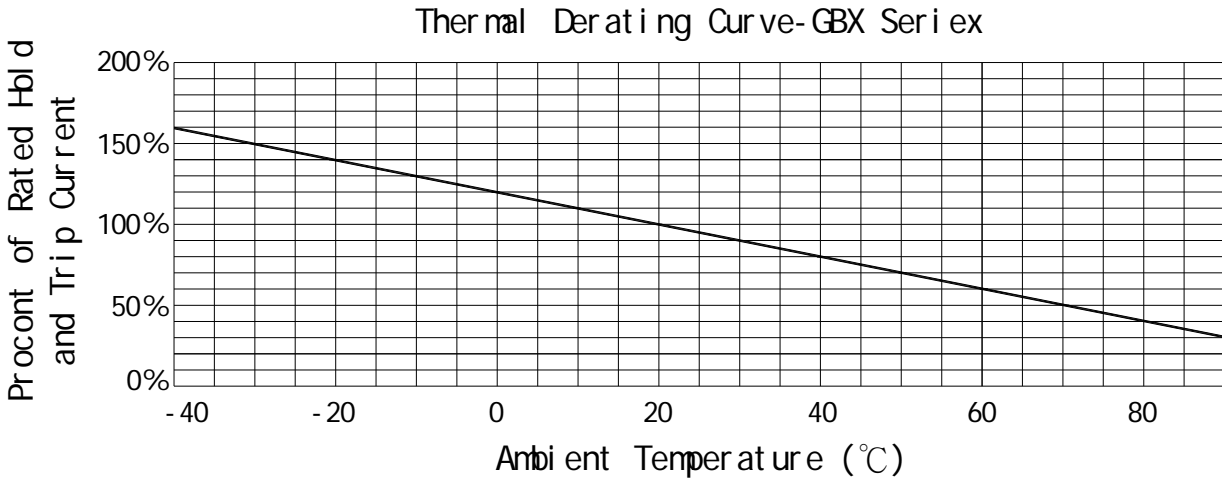
**ENVIRONMENTAL SPECIFICATIONS**

Test	Conditions	Change Resistance
Passive aging	70°C, 1000 hours	±5%
	85°C, 1000 hours	±5%
Humidity aging	85°C, 85% R.H. 1000 hours	±5%
Thermal shock	125°C, - 55°C (10 times)	±5%
Solvent resistance	YG108F	No  change

**DIMENSIONS (mm)**

Model Number	<u>A</u> Max.	<u>B</u> Max.	<u>C</u> Typ.	<u>D</u> Min.	<u>E</u> Max.	<u>F</u> Typ.
GBX005	7.4	12.7	5.1	7.6	3.1	1.1
GBX010	7.4	12.7	5.1	7.6	3.1	1.1
GBX017	7.4	12.7	5.1	7.6	3.1	1.1
GBX020	7.4	12.7	5.1	7.6	3.1	1.1
GBX025	7.4	12.7	5.1	7.6	3.1	1.1
GBX030	7.4	13	5.1	7.6	3.1	1.1
GBX040	7.6	13.5	5.1	7.6	3.1	1.1
GBX050	7.9	13.7	5.1	7.6	3.1	1.1
GBX065	9.7	14.5	5.1	7.6	3.1	1.1
GBX075	10.4	15.2	5.1	7.6	3.1	1.1
GBX090	11.7	15.8	5.1	7.6	3.1	1.1
GBX110	13	18	5.1	7.6	3.1	1.1
GBX135	14.5	19.6	5.1	7.6	3.1	1.1
GBX160	16.3	21.3	5.1	7.6	3.1	1.1
GBX185	17.8	22.9	5.1	7.6	3.1	1.1
GBX250	21.3	26.4	10.2	7.6	3.1	1.1
GBX300	24.9	30	10.2	7.6	3.1	1.1
GBX375	28.5	33.5	10.2	7.6	3.1	1.1

**Thermal Derating Curve at 20°C**



**Typical Time to Trip Curves at 20°C**

PPTC TIME-to-Trip Curves

