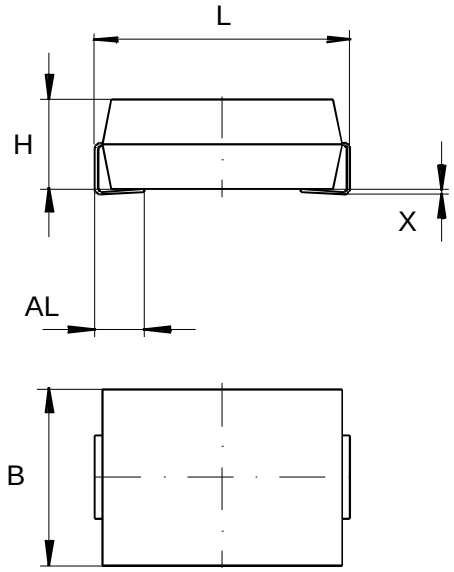
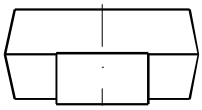
SIOV nomenclature

CU	=	Chip encapsulated
4032	=	40/100'' x 32/100'' = 10,0 mm x 8,0 mm
K	=	Tolerance of V_v at 1 mA: ± 10 %
230	=	Max. AC voltage
G2	=	Taped and reeled (1000 pcs/reel)
K1	=	sealed type

Figure: Dimensions given in Millimeters (mm)



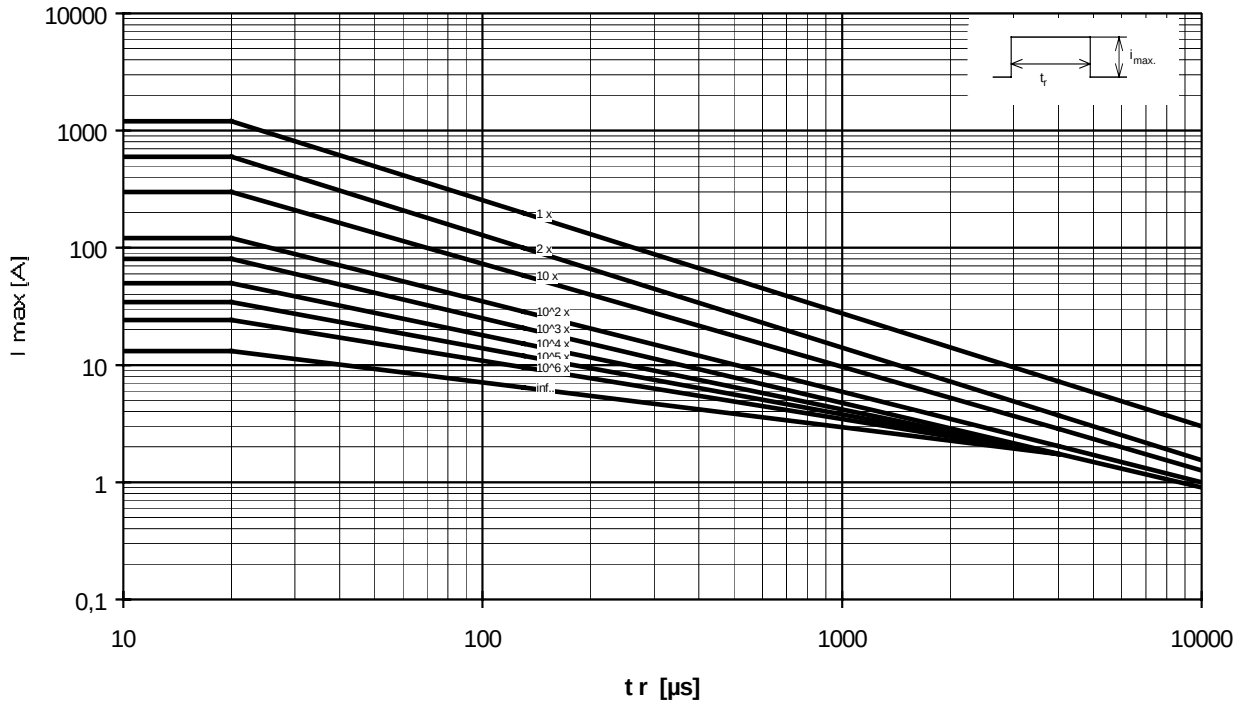


L = 10,2 +/- 0,3 mm
B = 8,0 +/- 0,3 mm
H = 4,5 +/- 0,3 mm
AL = 1,5 +/- 0,3 mm
Xmax = 0,3 mm

Electrical data:

Maximum ratings:	Max. operating AC voltage	V_{RMS}	=	230V
(T = 85°C)	Max. operating DC voltage	V_{DC}	=	300V
	Surge current (8/20 µs) 1 time	I_{max}	=	1200A
	Energy absorption (2 ms)	W_{max}	=	17,0J
	Average power dissipation	P_{max}	=	0,25W
Characteristics:	Varistor voltage at 1 mA	V_v	=	360V±10%
(T = 25°C)	Clamping voltage at 10 A	$V_{c\ max}$	=	595V
	Typ. capacitance at 1 kHz	C	=	115pF

Derating:



Note: More details can be found in the data book 'SIOV Metal Oxide Varistors', Ordering No. EPC: 62002-7600