

## Disk Varistors

### Maximum ratings ( $T_A = 85\text{ }^\circ\text{C}$ )

Type	Ordering code	Operating voltage		Surge current	Energy absorption	Power dissipation
		$V_{\text{RMS}}$	$V_{\text{DC}}$	$i_{\text{max}}$ 8/20 $\mu\text{s}$	$W_{\text{max}}$ (2 ms)	$P_{\text{max}}$
		V	V	A	J	W
SIOV-S10K510	Q69X3131	510	670	2500	55.0	0.40
SIOV-S14K510	Q69X3219	510	670	4500	110.0	0.60
SIOV-S20K510	Q69X3239	510	670	6500	190.0	1.00
SIOV-S10K550	Q69X3132	550	745	2500	60.0	0.40
SIOV-S14K550	Q69X3220	550	745	4500	120.0	0.60
SIOV-S20K550	Q69X3240	550	745	6500	210.0	1.00
SIOV-S10K625	Q69X3133	625	825	2500	68.0	0.40
SIOV-S14K625	Q69X3221	625	825	4500	130.0	0.60
SIOV-S20K625	Q69X3241	625	825	6500	230.0	1.00
SIOV-S10K680	Q69X3134	680	895	2500	72.0	0.40
SIOV-S14K680	Q69X3222	680	895	4500	140.0	0.60
SIOV-S20K680	Q69X3242	680	895	6500	250.0	1.00
SIOV-S14K1000 <sup>1)</sup>	Q69X3223	1100	1465	4500	230.0	0.60
SIOV-S20K1000 <sup>1)</sup>	Q69X3243	1100	1465	6500	410.0	1.00

The dimensions of the varistors listed above are given on page 104.

1) Operating voltage differs from type designation.

Characteristics ( $T_A = 25\text{ }^\circ\text{C}$ )

Varistor voltage  $V_V$ (1 mA) V	Tolerance  $\Delta V_V$ (1 mA) %	Max. clamping voltage		Capacitance typ.  $C$ (1 kHz) pF	Derating curves  Page	V/I characteristic  Page
		$v$ V	$i$ A			
820	K = ± 10	1355	25.0	110	131	138
820	K = ± 10	1355	50.0	180	132	139
820	K = ± 10	1355	100.0	340	133	140
910	K = ± 10	1500	25.0	105	131	138
910	K = ± 10	1500	50.0	170	132	139
910	K = ± 10	1500	100.0	320	133	140
1000	K = ± 10	1650	25.0	90	131	138
1000	K = ± 10	1650	50.0	150	132	139
1000	K = ± 10	1650	100.0	280	133	140
1100	K = ± 10	1815	25.0	85	131	138
1100	K = ± 10	1815	50.0	140	132	139
1100	K = ± 10	1815	100.0	250	133	140
1800	K = ± 10	2970	50.0	100	132	139
1800	K = ± 10	2970	100.0	170	133	140