


**Leaded varistors**
**B722\***
**AdvanceD series**
**Electrical specifications and ordering codes**
**Maximum ratings ( $T_A = 105\text{ }^\circ\text{C}$ )**

Ordering code	Type (untaped) SIOV-	$V_{RMS}$  V	$V_{DC}$  V	$i_{max}$ (8/20 $\mu$ s) 1 time A	$I_n$ <sup>1)</sup> (8/20 $\mu$ s) 15 times A	$W_{max}$ (2 ms) J	$P_{max}$  W
<b><math>V_{RMS} = 420\text{ V}</math></b>							
B72210S2421K101	S10K420E2	420	560	3500	1500	67.0	0.40
B72214S2421K101	S14K420E2	420	560	5000	3000	136.0	0.60
B72220S2421K101	S20K420E2	420	560	10000	3000	273.0	1.00
<b><math>V_{RMS} = 460\text{ V}</math></b>							
B72210S2461K101	S10K460E2	460	615	3500	1500	70.0	0.40
B72214S2461K101	S14K460E2	460	615	5000	3000	150.0	0.60
B72220S2461K101	S20K460E2	460	615	10000	3000	300.0	1.00
<b><math>V_{RMS} = 510\text{ V}</math></b>							
B72210S2511K101	S10K510E2	510	670	3500	1500	80.0	0.40
B72214S2511K101	S14K510E2	510	670	5000	3000	165.0	0.60
B72220S2511K101	S20K510E2	510	670	10000	3000	325.0	1.00
<b><math>V_{RMS} = 550\text{ V}</math></b>							
B72210S2551K101	S10K550E2	550	745	3500	1500	90.0	0.40
B72214S2551K101	S14K550E2	550	745	5000	3000	180.0	0.60
B72220S2551K101	S20K550E2	550	745	10000	3000	360.0	1.00
<b><math>V_{RMS} = 625\text{ V}</math></b>							
B72210S2621K101	S10K625E2	625	825	3500	1500	100.0	0.40
B72214S2621K101	S14K625E2	625	825	5000	3000	200.0	0.60
B72220S2621K101	S20K625E2	625	825	10000	3000	400.0	1.00
<b><math>V_{RMS} = 680\text{ V}</math></b>							
B72210S2681K101	S10K680E2	680	895	3500	1500	110.0	0.40
B72214S2681K101	S14K680E2	680	895	5000	3000	220.0	0.60
B72220S2681K101	S20K680E2	680	895	10000	3000	440.0	1.00

<sup>1)</sup> **Note:** Nominal discharge current  $I_n$ , according to UL 1449, 4<sup>th</sup> edition.


**Characteristics (T<sub>A</sub> = 25 °C)**

Ordering code	V <sub>V</sub> (1 mA) V	ΔV <sub>V</sub> (1 mA) %	V <sub>C,max</sub> (i <sub>C</sub> ) V	i <sub>C</sub> A	C <sub>typ</sub> (1 kHz) pF
<b>V<sub>RMS</sub> = 420 V</b>					
B72210S2421K101	680	±10	1120	25.0	165
B72214S2421K101	680	±10	1120	50.0	290
B72220S2421K101	680	±10	1120	100.0	550
<b>V<sub>RMS</sub> = 460 V</b>					
B72210S2461K101	750	±10	1240	25.0	150
B72214S2461K101	750	±10	1240	50.0	260
B72220S2461K101	750	±10	1240	100.0	500
<b>V<sub>RMS</sub> = 510 V</b>					
B72210S2511K101	820	±10	1355	25.0	140
B72214S2511K101	820	±10	1355	50.0	240
B72220S2511K101	820	±10	1355	100.0	460
<b>V<sub>RMS</sub> = 550 V</b>					
B72210S2551K101	910	±10	1500	25.0	120
B72214S2551K101	910	±10	1500	50.0	215
B72220S2551K101	910	±10	1500	100.0	410
<b>V<sub>RMS</sub> = 625 V</b>					
B72210S2621K101	1000	±10	1650	25.0	110
B72214S2621K101	1000	±10	1650	50.0	200
B72220S2621K101	1000	±10	1650	100.0	380
<b>V<sub>RMS</sub> = 680 V</b>					
B72210S2681K101	1100	±10	1815	25.0	100
B72214S2681K101	1100	±10	1815	50.0	180
B72220S2681K101	1100	±10	1815	100.0	340