

Z32RD SERIES

20000 to 25000 A, 130 to 1000 V, 1.2 W
High Energy Metal Oxide Varistor

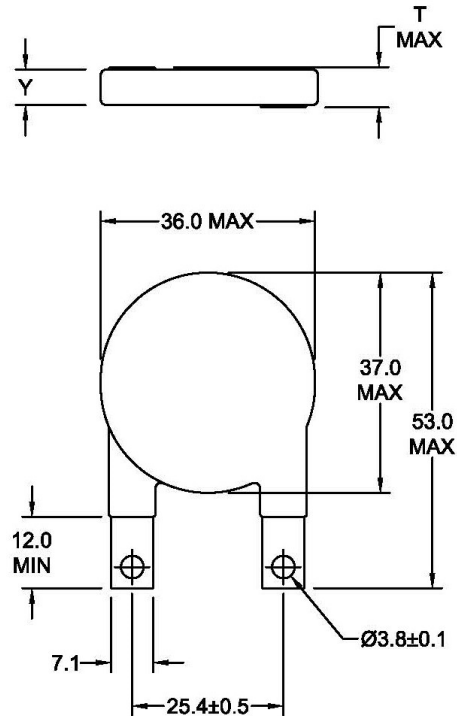
Features

- High Current Surge Rating
- Easy Tabbed Connections
- Maximum Power Dissipation: Z32RD 1.2 Watts
- Typical Response Time is Less than 15 Nanoseconds



ELECTRICAL CHARACTERISTICS AND RATINGS

Part Number	V _{RMS} V	V _{DC} V	V _{N(DC) MIN} V	V _{N(DC) NOM} V	V _{N(DC) MAX} V	W _{MAX} J	V _C V	I _C A	I _p ¹ A	I _p ² A	C pF	T _{MAX} mm	Y mm
Z32RD201	130	170	185	205	225	210	340	200	25000	20000	4100	6.8	4.9
Z32RD241	150	200	216	240	262	240	395	200	25000	20000	3400	7.0	5.1
Z32RD271	175	225	247	270	303	255	455	200	25000	20000	2900	7.1	5.2
Z32RD331	210	275	297	330	363	300	550	200	25000	20000	2600	7.3	5.4
Z32RD361	230	300	324	360	396	315	595	200	25000	20000	2300	7.5	5.6
Z32RD391	250	320	351	390	429	330	650	200	25000	20000	2100	7.7	5.8
Z32RD431	275	350	387	430	473	360	710	200	25000	20000	2000	7.9	6.0
Z32RD471	300	385	423	470	517	380	775	200	25000	20000	1700	8.1	6.2
Z32RD511	320	415	459	510	561	430	845	200	25000	20000	1600	8.4	6.5
Z32RD621	385	505	504	560	616	470	1025	200	25000	20000	1300	9.0	7.1
Z32RD681	420	560	558	620	682	495	1120	200	25000	20000	1300	9.4	7.5
Z32RD751	460	615	612	680	748	520	1240	200	25000	20000	1100	9.8	7.9
Z32RD781	485	640	675	750	825	550	1290	200	25000	20000	1100	10.0	8.0
Z32RD821	510	670	702	780	858	580	1355	200	25000	20000	1000	10.2	8.3
Z32RD911	550	745	738	820	902	620	1500	200	25000	20000	950	10.7	8.8
Z32RD951	575	765	819	910	1001	650	1570	200	25000	20000	900	11.0	9.0
Z32RD102	625	825	900	1000	1100	685	1650	200	25000	20000	840	11.2	9.3
Z32RD112	680	895	990	1100	1210	750	1815	200	25000	20000	770	11.7	9.8
Z32RD122	750	970	1080	1200	1320	800	2100	200	25000	20000	690	12.8	10.9
Z32RD142	880	1150	1260	1400	1540	850	2290	200	25000	20000	590	13.8	11.9
Z32RD162	1000	1200	1140	1600	1760	900	2700	200	25000	20000	520	14.9	13.0

CASE OUTLINE AND DIMENSIONS

DIMENSIONS IN MILLIMETERS

Abbreviation	Trait	Conditions
V_{RMS}	Maximum Continuous Operating Voltage AC	
V_{DC}	Maximum Continuous Operating Voltage DC	
$V_{N(DC) MIN}$	Minimum Varistor Voltage	At 1 mA
$V_{N(DC) NOM}$	Nominal Varistor Voltage	At 1 mA
$V_{N(DC) MAX}$	Maximum Varistor Voltage	At 1 mA
W_{MAX}	Maximum Energy	At 2 mS
V_C	Maximum Clamping Voltage	At I_C
I_C	Clamping Current	
I_P^1	Maximum Peak Surge Current	For 8 x 20 μ s Pulse
I_P^2	Maximum Peak Surge Current	For 8 x 20 μ s, Two Pulses
C	Typical Capacitance	At 1 kHz

Operating Temperature °C = -55 to 125
Storage Temperature °C = -55 to 125