

# METAL OXIDE VARISTORS

## VZ32 Series Electrical Characteristics

Part Number	Continuous Rated Voltage		Rated Single Pulse Transient		Varistor Voltage @1mA DC		Maximum Clamping Voltage @ Test Current 8/20µs		Typical Capacitance @1KHZ 25°C
			Energy	Peak					
	AC RMS Volts	DC Volts	10/1000µs Joules	8/20µs KAmps	Min Volts	Max Volts	Volts	Amps	pF
VZ32D201 □□□	130	175	210	30	185	225	340	200	4700
VZ32D221 □□□	140	180	240	30	198	242	360	200	4300
VZ32D241 □□□	150	200	250	30	216	264	395	200	4000
VZ32D271 □□□	180	230	260	30	255	311	455	200	3500
VZ32D331 □□□	210	275	310	30	297	363	550	200	3000
VZ32D361 □□□	230	300	330	30	324	396	595	200	2800
VZ32D391 □□□	250	330	360	30	351	429	650	200	2500
VZ32D431 □□□	275	370	400	30	387	473	710	200	2200
VZ32D471 □□□	300	385	405	30	423	517	775	200	2000
VZ32D511 □□□	320	420	440	30	459	561	840	200	1900
VZ32D561 □□□	360	470	500	30	522	638	910	200	1700
VZ32D621 □□□	390	505	550	30	558	682	1025	200	1600
VZ32D681 □□□	420	560	600	30	612	748	1120	200	1500
VZ32D751 □□□	460	615	600	30	675	825	1240	200	1400
VZ32D781 □□□	485	640	600	30	702	858	1290	200	1300
VZ32D821 □□□	510	675	600	30	738	902	1355	200	1200
VZ32D911 □□□	550	745	630	30	819	1001	1500	200	1150
VZ32D951 □□□	575	765	660	30	855	1045	1570	200	1100
VZ32D102 □□□	625	825	690	30	900	1100	1650	200	1000
VZ32D112 □□□	680	895	770	30	962	1175	1815	200	900
VZ32D122 □□□	750	970	810	30	1062	1300	1980	200	800

□□□ Part Number Suffix Code  
(ie: VZ32D201**KR**)

- **K** - Straight Lead
- **KL** - Straight Lead - Left Side Lead Orientation
- **KQ** - 90° Bend Lead
- **KR** - Uncoated Disk - Without Leads
- **KF** - Uncoated Disk - With Leads
- **KN** - Uncoated Disk - With one Lead only, Right side orientation
- **KNL** - Uncoated Disk - With one Lead only, Left side orientation

UL 1449 recognized (File # E196885)

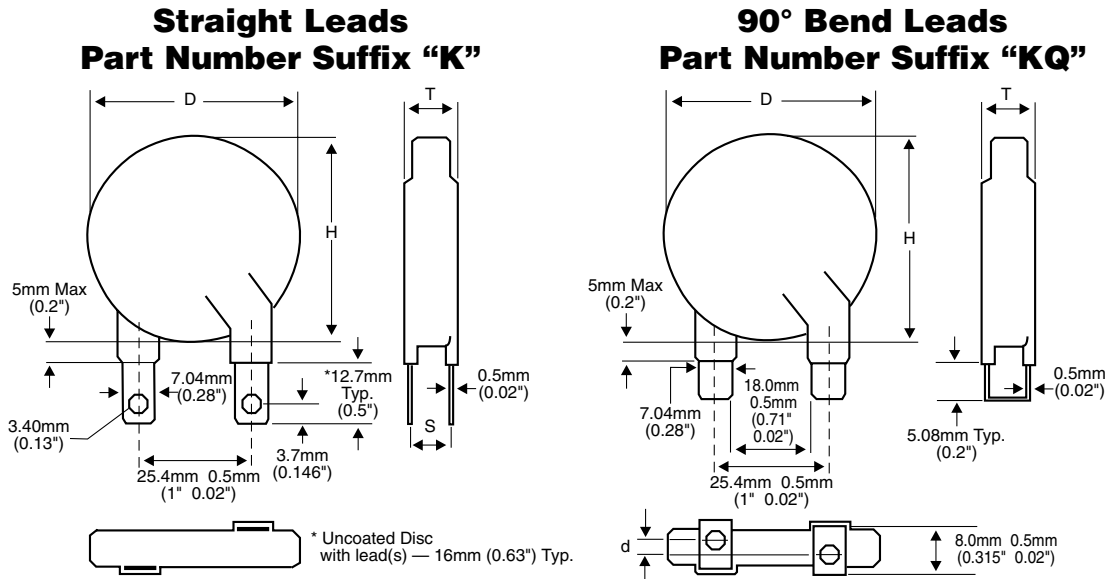
UL 1414 recognized (File # E71602) except VZ32D122

CSA 22.2 #1 certified (File # 227006).

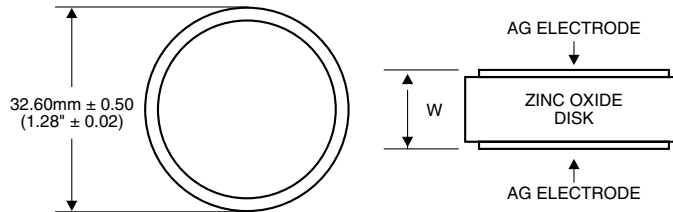
All Uncoated Disk types are recognized to UL1449 (File # E196885)

Complies with accelerated aging test requirements per ANSI/IEEE C62.11, UL File # E196885.

## VZ32 Series Dimensions



### Uncoated Disk Part Number Suffix "KR"



Part Number	D max.	H max.	T max.	S	d	W
VZ32D201 □□□	40 (1.57)	40 (1.57)	7.5 (.30)	2.3 (.09)	5.7±1.0 (.22±.04)	1.09±0.50 (.04±.02)
VZ32D221 □□□			7.5 (.30)	2.3 (.09)	5.±1.0 (.22±.04)	1.19±0.50 (.047±.02)
VZ32D241 □□□			7.5 (.30)	2.3 (.09)	5.4±1.0 (.21±.04)	1.32±0.50 (.05±.02)
VZ32D271 □□□			8.5 (.33)	2.3 (.09)	5.2±1.0 (.20±.04)	1.44±0.50 (.056±.02)
VZ32D331 □□□			9.0 (.35)	2.5 (.10)	4.8±1.0 (.19±.04)	1.78±0.50 (.07±.02)
VZ32D361 □□□			9.0 (.35)	2.9 (.11)	4.6±1.0 (.18±.04)	1.97±0.50 (.077±.02)
VZ32D391 □□□			9.0 (.35)	3.1 (.12)	4.4±1.0 (.17±.04)	2.11±0.50 (.083±.02)
VZ32D431 □□□			9.0 (.35)	3.3 (.13)	4.2±1.0 (.165±.04)	2.34±0.50 (.09±.02)
VZ32D471 □□□			9.7 (.38)	3.6 (.14)	4.2±1.0 (.165±.04)	2.53±0.50 (.1±.02)
VZ32D511 □□□			9.7 (.38)	3.9 (.15)	4.0±1.0 (.16±.04)	2.77±0.50 (.11±.02)
VZ32D621 □□□			9.7 (.38)	3.9 (.15)	3.9±1.0 (.15±.04)	3.40±0.50 (.134±.02)
VZ32D681 □□□			9.7 (.38)	4.1 (.16)	3.6±1.0 (.14±.04)	3.64±0.50 (.143±.02)
VZ32D751 □□□			10.5 (.41)	4.4 (.17)	3.3±1.0 (.13±.04)	4.11±0.50 (.16±.02)
VZ32D781 □□□			10.5 (.41)	4.5 (.18)	3.1±1.0 (.12±.04)	4.15±0.50 (.16±.02)
VZ32D821 □□□			10.5 (.41)	4.6 (.18)	2.9±1.0 (.11±.04)	4.47±0.50 (.176±.02)
VZ32D911 □□□			11.5 (.45)	4.6 (.18)	2.5±1.0 (.10±.04)	4.95±0.50 (.195±.02)
VZ32D951 □□□			11.5 (.45)	5.2 (.20)	2.3±1.0 (.09±.04)	5.05±0.50 (.2±.02)
VZ32D102 □□□			11.5 (.45)	5.4 (.21)	2.1±1.0 (.08±.04)	5.48±0.50 (.215±.02)
VZ32D112 □□□			11.5 (.45)	5.7 (.22)	2.1±1.0 (.08±.04)	5.96±0.50 (.23±.02)