

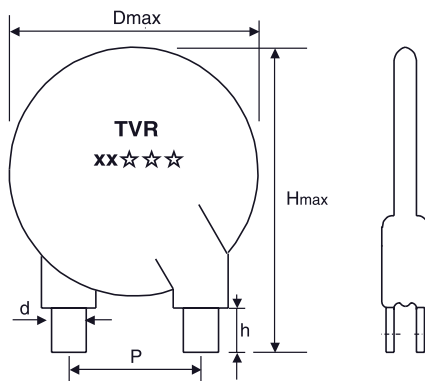


ZINC OXIDE VARISTOR LIGHTNING PROTECTION

TVR Q TYPE



CONFIGURATION AND DIMENSION



the leads with screw holes are available
as per photo above.

Unit:mm

Disc Ø	Dmax	Hmax	P±0.5	d±0.2	hmin
32	36	41	25	7.0	10
40	44	48	25	7.0	10
60	63	78	25	9.5	—

Part Number	Normal Varistor Voltage V _{1mA} (V)	Max.Allowable voltage		Max.Peak Current(8/20µs)		Max. Energy 2ms (J)	Rated Power (W)	Max. Clamping Voltage V _{200A} (V)	Typical Capacitance @ 1KHZ (PF)
		AC _{rms}	DC	1time	2times				
		(V)	(V)	(A)	(A)				
TVR32201KQ	200	130	170	25000	20000	210	1.2	340	3900
TVR32221KQ	220	140	180	25000	20000	225	1.2	365	3500
TVR32241KQ	240	150	200	25000	20000	240	1.2	395	3300
TVR32271KQ	270	175	225	25000	20000	255	1.2	455	2800
TVR32361KQ	360	230	300	25000	20000	300	1.2	595	2200
TVR32391KQ	390	250	320	25000	20000	330	1.2	650	2000
TVR32431KQ	430	275	350	25000	20000	360	1.2	710	1800
TVR32471KQ	470	300	385	25000	20000	405	1.2	775	1700
TVR32511KQ	510	320	415	25000	20000	430	1.2	845	1600
TVR32561KQ	560	340	450	25000	20000	470	1.2	930	1400
TVR32621KQ	620	385	505	25000	20000	550	1.2	1025	1250
TVR32681KQ	680	420	560	25000	20000	600	1.2	1120	1150
TVR32751KQ	750	460	615	25000	20000	660	1.2	1240	1100
TVR32781KQ	780	485	640	25000	20000	680	1.2	1290	1050
TVR32821KQ	820	510	670	25000	20000	550	1.2	1355	950
TVR32911KQ	910	550	745	25000	20000	620	1.2	1500	900
TVR32951KQ	950	575	765	25000	20000	660	1.2	1570	850
TVR32112KQ	1100	680	895	25000	20000	760	1.2	1815	750
TVR32122KQ	1200	750	1060	25000	20000	800	1.2	2000	650

Part Number	Normal Varistor Voltage V _{1mA} (V)	Max.Allowable voltage		Max.Peak Current(8/20µs)		Max. Energy 2ms (J)	Rated Power (W)	Max. Clamping Voltage V _{300A} (V)	Typical Capacitance @ 1KHZ (PF)
		AC _{rms}	DC	1time	2times				
		(V)	(V)	(A)	(A)				
TVR40201KQ	200	130	170	40000	30000	310	1.4	340	6000
TVR40221KQ	220	140	180	40000	30000	340	1.4	365	5500
TVR40241KQ	240	150	200	40000	30000	360	1.4	395	5000
TVR40271KQ	270	175	225	40000	30000	400	1.4	455	4500
TVR40361KQ	360	230	300	40000	30000	460	1.4	595	3500
TVR40391KQ	390	250	320	40000	30000	490	1.4	650	3000
TVR40431KQ	430	275	350	40000	30000	550	1.4	710	2800
TVR40471KQ	470	300	385	40000	30000	595	1.4	775	2600
TVR40511KQ	510	320	415	40000	30000	640	1.4	845	2500
TVR40561KQ	560	350	450	40000	30000	710	1.4	930	2200
TVR40621KQ	620	385	505	40000	30000	800	1.4	1025	2000
TVR40681KQ	680	420	560	40000	30000	910	1.4	1120	1800
TVR40751KQ	750	460	615	40000	30000	1000	1.4	1240	1700
TVR40781KQ	780	485	640	40000	30000	1030	1.4	1290	1600
TVR40821KQ	820	510	670	40000	30000	860	1.4	1355	1500
TVR40911KQ	910	550	745	40000	30000	960	1.4	1500	1400
TVR40951KQ	950	575	765	40000	30000	1000	1.4	1570	1300
TVR40112KQ	1100	680	895	40000	30000	1100	1.4	1815	1100
TVR40122KQ	1200	750	1060	40000	30000	1200	1.4	2000	1000

Part Number	Normal Varistor Voltage V _{1mA} (V)	Max.Allowable voltage		Max.Peak Current(8/20µs)		Max. Energy 2ms (J)	Rated Power (W)	Max. Clamping Voltage V _{500A} (V)	Typical Capacitance @ 1KHZ (PF)
		AC _{rms}	DC	1time	2times				
		(V)	(V)	(A)	(A)				
TVR60391KQ	390	250	320	70000	40000	800	1.6	650	7200
TVR60431KQ	430	275	350	70000	40000	860	1.6	710	6600
TVR60471KQ	470	300	385	70000	40000	950	1.6	775	6100
TVR60511KQ	510	320	415	70000	40000	1000	1.6	845	5800
TVR60561KQ	560	350	450	70000	40000	1100	1.6	930	5100
TVR60621KQ	620	385	505	70000	40000	1200	1.6	1025	4600
TVR60681KQ	680	420	560	70000	40000	1500	1.6	1120	4300
TVR60751KQ	750	460	615	70000	40000	1650	1.6	1240	4100
TVR60781KQ	780	485	640	70000	40000	1700	1.6	1290	3800
TVR60821KQ	820	510	670	70000	40000	1350	1.6	1355	3600
TVR60911KQ	910	550	745	70000	40000	1500	1.6	1570	3300
TVR60951KQ	950	575	765	70000	40000	1560	1.6	1650	3000
TVR60112KQ	1100	680	895	70000	40000	1800	1.6	1815	2700
TVR60122KQ	1200	750	1060	70000	40000	2000	1.6	2000	2500
TVR60182KQ	1800	1000	1465	70000	40000	3000	1.6	2970	1800

Remark:

Operating Temperature:-40~85°C

Storage Temperature:-40~110°C