

# RAYCHEM Metal Oxide Varistors

RoHS Compliant This product is RoHS compliant.

**Tyco Electronics**  
Authorized Distributor

## RAYCHEM VARISTORS

Raychem's ROV (Radial-leaded Metal Oxide Varistor) products help to provide protection against overvoltage faults such as lightning, power contact, and power induction, for a wide variety of power systems. Suitable for a broad range of applications including, but not limited to, security systems, power supplies, surge strips, motors, and telecommunications equipment, ROV devices help to protect valuable equipment from potential power surge damage by clamping high-energy, short duration impulses. The ROV devices have high current handling and energy absorption capability and fast response times to help protect against transient faults.

  
RoHS Compliant

For quantities of 2,500 and up, call for quote.

MOUSER STOCK NO.	Raychem Part No.	Voltage					Current		Wattage	Energy (10x 1000µS)	Cap. Typ. (pF)	Price Each		
		@ .1mA		Max.	Max.	Max. Surge	1	100				500		
		VDC	Tol.										ACrms	VDC
<b>5mm Standard</b>														
650-ROV05-180M-S	ROV05-180M	18	±20%	11	14	40.1	100	50	0.01	0.6	1121	.11	.079	.071
650-ROV05-220L-S	ROV05-220L	22	±15%	14	18	48.1	100	50	0.01	0.7	1233	.11	.079	.071
650-ROV05-330K-S	ROV05-330K	33	±10%	20	26	73.1	100	50	0.01	1.1	834	.11	.079	.071
650-ROV05-390K	ROV05-390K	39	±10%	25	31	86.1	100	50	0.01	1.2	877	.11	.079	.071
650-ROV05-820K-S	ROV05-820K	82	±10%	50	65	145	400	200	0.1	2.8	269	.08	.06	.054
650-ROV05-201K-S-2	ROV05-201K	200	±10%	130	170	355	400	200	0.1	7.1	85	.10	.075	.07
650-ROV05-221K-S-2	ROV05-221K	220	±10%	140	180	380	400	200	0.1	7.8	80	.10	.08	.07
650-ROV05-241K-S-2	ROV05-241K	240	±10%	150	200	415	400	200	0.1	8.4	74	.09	.07	.06
650-ROV05-271K-S-2	ROV05-271K	270	±10%	175	225	475	400	200	0.1	9.9	69	.09	.065	.06
650-ROV05-301K-S-2	ROV05-301K	300	±10%	195	250	525	400	200	0.1	10.5	65	.09	.073	.065
650-ROV05-331K-S-2	ROV05-331K	330	±10%	210	275	575	400	200	0.1	11.5	60	.10	.075	.07
650-ROV05-361K-S-2	ROV05-361K	360	±10%	230	300	620	400	200	0.1	13	69	.10	.075	.07
650-ROV05-391K-S-2	ROV05-391K	390	±10%	250	320	675	400	200	0.1	15	56	.09	.07	.06
650-ROV05-431K-S-2	ROV05-431K	430	±10%	275	350	745	400	200	0.1	16.5	47	.09	.07	.06
650-ROV05-471K-S-2	ROV05-471K	470	±10%	300	385	810	400	200	0.1	17.5	50	.09	.065	.06
650-ROV05-511K-S-2	ROV05-511K	510	±10%	320	418	880	400	200	0.1	18.5	50	.11	.086	.077
650-ROV05-561K-S-2	ROV05-561K	560	±10%	350	460	940	400	200	0.1	19.5	50	.11	.086	.077
<b>7mm Standard</b>														
650-ROV07-180M	ROV07-180M	18	±20%	11	14	36.1	250	125	0.02	1.2	2918	.11	.079	.071
650-ROV07-220L-S	ROV07-220L	22	±15%	14	18	43.1	250	125	0.02	1.4	1933	.11	.079	.071
650-ROV07-270K-S	ROV07-270K	27	±10%	17	22	53.1	250	125	0.02	1.7	2344	.15	.12	.11
650-ROV07-330K-S	ROV07-330K	33	±10%	20	26	65.1	250	125	0.02	2.2	1840	.12	.084	.075
650-ROV07-390K-S	ROV07-390K	39	±10%	25	31	77.1	250	125	0.02	2.4	1817	.12	.084	.075
650-ROV07-470K-S	ROV07-470K	47	±10%	30	38	93.1	250	125	0.02	3	1595	.12	.084	.075
650-ROV07-560K-S	ROV07-560K	56	±10%	35	45	110.1	250	125	0.02	3.5	1333	.12	.08	.075
650-ROV07-101K-S	ROV07-101K	100	±10%	60	85	165	1200	600	0.25	7	535	.09	.065	.058
650-ROV07-201K-S-2	ROV07-201K	200	±10%	130	170	340	1200	600	0.25	14.3	224	.10	.072	.067
650-ROV07-221K-S-2	ROV07-221K	220	±10%	140	180	360	1200	600	0.25	15.5	190	.14	.10	.08
650-ROV07-241K-S-2	ROV07-241K	240	±10%	150	200	395	1200	600	0.25	16.8	185	.12	.09	.07
650-ROV07-271K-S-2	ROV07-271K	270	±10%	175	225	455	1200	600	0.25	19.8	161	.09	.07	.065
650-ROV07-301K-S-2	ROV07-301K	300	±10%	195	250	505	1200	600	0.25	21	135	.10	.075	.07
650-ROV07-331K-S-2	ROV07-331K	330	±10%	210	275	550	1200	600	0.25	23	141	.10	.08	.072
650-ROV07-361K-S-2	ROV07-361K	360	±10%	230	300	595	1200	600	0.25	26	117	.10	.08	.072
650-ROV07-391K-S-2	ROV07-391K	390	±10%	250	320	650	1200	600	0.25	30	110	.09	.07	.065
650-ROV07-431K-S-2	ROV07-431K	430	±10%	275	350	710	1200	600	0.25	33	111	.09	.07	.065
650-ROV07-471K-S-2	ROV07-471K	470	±10%	300	385	775	1200	600	0.25	35	102	.09	.07	.065
650-ROV07-511K-S-2	ROV07-511K	510	±10%	320	418	842	1200	600	0.25	37	100	.11	.089	.079
650-ROV07-561K-S-2	ROV07-561K	560	±10%	350	460	920	1200	600	0.25	39	87	.11	.08	.075
<b>10mm Standard</b>														
650-ROV10-180M-S	ROV10-180M	18	±20%	11	14	36.1	500	250	0.05	2.4	6500	.19	.13	.118
650-ROV10-220L-S	ROV10-220L	22	±15%	14	18	43.1	500	250	0.05	2.7	5521	.19	.131	.118
650-ROV10-270K-S	ROV10-270K	27	±10%	17	22	53.1	500	250	0.05	3.5	4742	.19	.131	.118
650-ROV10-390K-S	ROV10-390K	39	±10%	25	31	77.1	500	250	0.05	4.7	3658	.19	.131	.118
650-ROV10-470K-S	ROV10-470K	47	±10%	30	38	93.1	500	250	0.05	6	3137	.19	.131	.118
650-ROV10-560K-S	ROV10-560K	56	±10%	35	45	110.1	500	250	0.05	7	2900	.19	.131	.118
650-ROV10-820K-S-2	ROV10-820K	82	±10%	50	65	135	2500	1250	0.4	11	1261	.15	.119	.106
650-ROV10-101K-S	ROV10-101K	100	±10%	60	85	165	2500	1250	0.4	14	1021	.14	.098	.088
650-ROV10-151K-S	ROV10-151K	150	±10%	95	125	250	2500	1250	0.4	22	733	.14	.098	.088
650-ROV10-201K-S-2	ROV10-201K	200	±10%	130	170	340	2500	1250	0.4	28.5	400	.15	.11	.10
650-ROV10-221K-S-2	ROV10-221K	220	±10%	140	180	360	2500	1250	0.4	31	393	.15	.119	.106
650-ROV10-241K-S-2	ROV10-241K	240	±10%	150	200	395	2500	1250	0.4	33.5	325	.13	.10	.09
650-ROV10-271K-S-2	ROV10-271K	270	±10%	175	225	455	2500	1250	0.4	39.5	334	.13	.10	.09
650-ROV10-301K-S-2	ROV10-301K	300	±10%	195	250	505	2500	1250	0.4	42	278	.16	.121	.108
650-ROV10-331K-S-2	ROV10-331K	330	±10%	210	275	550	2500	1250	0.4	46	275	.17	.12	.115
650-ROV10-361K-S-2	ROV10-361K	360	±10%	230	300	595	2500	1250	0.4	52	231	.17	.13	.115
650-ROV10-391K-S-2	ROV10-391K	390	±10%	250	320	650	2500	1250	0.4	60	247	.16	.11	.09
650-ROV10-431K-S-2	ROV10-431K	430	±10%	275	350	710	2500	1250	0.4	66	216	.16	.11	.09
650-ROV10-471K-S-2	ROV10-471K	470	±10%	300	385	775	2500	1250	0.4	70	210	.16	.11	.09
650-ROV10-511K-S-2	ROV10-511K	510	±10%	320	418	842	2500	1250	0.4	74	187	.19	.13	.12
650-ROV10-561K-S-2	ROV10-561K	560	±10%	350	460	920	2500	1250	0.4	78	186	.18	.13	.12
650-ROV10-681K-S-2	ROV10-681K	680	±10%	420	560	1120	2500	1250	0.4	86	156	.25	.194	.16
<b>14mm Standard</b>														
650-ROV14-180M	ROV14-180M	18	±20%	11	14	36.1	1000	500	0.1	4.7	14898	.28	.213	.189
650-ROV14-220L-S	ROV14-220L	22	±15%	14	18	43.1	1000	500	0.1	5.4	11957	.28	.213	.189
650-ROV14-201K-S-2	ROV14-201K	200	±10%	130	170	340	4500	2500	0.6	57	845	.24	.18	.13
650-ROV14-221K-S-2	ROV14-221K	220	±10%	140	180	360	4500	2500	0.6	62	713	.24	.18	.13
650-ROV14-241K-S	ROV14-241K	240	±10%	150	200	395	4500	2500	0.6	67	769	.19	.131	.118
650-ROV14-271K-S-2	ROV14-271K	270	±10%	175	225	455	4500	2500	0.6	79	655	.20	.15	.13
650-ROV14-301K-S-2	ROV14-301K	300	±10%	195	250	505	4500	2500	0.6	84	650	.24	.18	.13
650-ROV14-331K-S-2	ROV14-331K	330	±10%	210	275	550	4500	2500	0.6	92	613	.25	.189	.16
650-ROV14-361K-S-2	ROV14-361K	360	±10%	230	300	595	4500	2500	0.6	104	465	.25	.18	.15
650-ROV14-391K-S-2	ROV14-391K	390	±10%	250	320	650	4500	2500	0.6	120	458	.20	.15	.14
650-ROV14-431K-S-2	ROV14-431K	430	±10%	275	350	710	4500	2500	0.6	132	454	.22	.15	.122
650-ROV14-471K-S-2	ROV14-471K	470	±10%	300	385	775	4500	2500	0.6	140	413	.22	.15	.122
650-ROV14-511K-S	ROV14-511K	510	±10%	320	418	842	4500	2500	0.6	148	374	.28	.18	.155
650-ROV14-561K-S-2	ROV14-561K	560	±10%	350	460	920	4500	2500						