



TMOV21R2P ---Thermally Protected MOV

Safety Electronics Technology

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Features:

- Rapid cutting off by overheating
- Accurate cutting off temperature
- Status indicator lead for remote monitor
- Close heat-coupling between MOV and thermal cutoff
- Compact structure
- Suitability for automatic soldering
- High surge withstanding capability

Applications:

- Surge Protective Devices (SPD),TVSS
- Automation and Control Cabinets
- AC Power Panels
- Railway signal system
- Inverter / Motor
- Data centre
- Power surge strip
- Solar Panel

Dimension

Dimension	V _{Nominal}
	180~471 (V)
D(mm)	26.7
H(mm)	22.0
L(mm)	7.0
d(mm)	1.2
T(mm)	13.3
F1(mm)	3.7
F2(mm)	7.5
F3(mm)	10.8
F4(mm)	6.0
F5(mm)	14.7
F6(mm)	19.3

Note. The listed dimension data are for reference only. Precise dimension subject to Quality Admission.

Technical Datasheet

Part Number	Maximum Allowable Voltage		Varistor Voltage		Clamping voltage (max.)		Voltage Protection Rating		Maximum Peak Current (8/20 μ s)		Maximum Energy (Joule)	Rated Power	Thermal -link	Typical Capacitance (Reference)	Certification		
	AC Rms	DC	V1.0mA (V)		VC	IP	VPR	Test Method	In*	Imax**	10/1000	W	A	@ 1KHz	UL	TUV	PSE
	(V)	(V)	min.	max.	(V)	(A)	(V)		(KA)	μ s	(pf)						
TMOV21R2P180	11	14	15	21	36	25	330	6KV/500A	1.5	3	15.6	0.2	5A	34000		◆	◆
TMOV21R2P220	14	18	20	25	43	25	330	6KV/500A			19.1			22200		◆	◆
TMOV21R2P270	17	22	24	31	53	25	330	6KV/500A			23			15600		◆	◆
TMOV21R2P330	20	26	30	36	65	25	330	6KV/500A			29			13800		◆	◆
TMOV21R2P390	25	31	35	43	77	25	330	6KV/500A			33.5			10200		◆	◆
TMOV21R2P470	30	38	42	52	93	25	330	6KV/500A	2.5	5	41	0.2	5A	8880	●	◆	◆
TMOV21R2P560	35	45	50	62	110	25	330	6KV/500A			49			7800	●	◆	◆
TMOV21R2P680	40	56	61	75	135	25	330	6KV/500A			59			7000	●	◆	◆
TMOV21R2P820	50	65	74	90	135	115	330	6KV/3KA	5	10	67	1.00	10A	5880	●	◆	◆
TMOV21R2P101	60	85	90	110	165	115	330	6KV/3KA			84			4800	●	◆	◆
TMOV21R2P121	75	100	108	132	200	115	330	6KV/3KA			102			4000	●	◆	◆
TMOV21R2P151	95	125	135	165	250	115	330	6KV/3KA			127			3200	●	◆	◆
TMOV21R2P181	115	150	162	198	300	115	400	6KV/3KA			156			2650	●	◆	◆
TMOV21R2P201	130	170	185	225	340	115	400	6KV/3KA	7.5	15	170	1.00	16A (15A)	2400	●	◆	◆
TMOV21R2P221	140	180	198	242	360	115	500	6KV/3KA			185			2160	●	◆	◆
TMOV21R2P241	150	200	216	264	395	115	500	6KV/3KA			200			2000	●	◆	◆
TMOV21R2P271	175	225	243	297	455	115	600	6KV/3KA			230			1800	●	◆	◆
TMOV21R2P301	190	250	270	330	500	115	600	6KV/3KA			250			1560		◆	◆
TMOV21R2P331	210	275	297	363	550	115	700	6KV/3KA			270			1440		◆	◆
TMOV21R2P361	230	300	324	396	595	115	800	6KV/3KA			305			1320		◆	◆
TMOV21R2P391	250	320	351	429	650	115	800	6KV/3KA			330			1200		◆	◆
TMOV21R2P431	275	350	387	473	710	115	900	6KV/3KA			365			1160		◆	◆
TMOV21R2P471	300	385	423	517	775	115	1000	6KV/3KA			420			1020		◆	◆

Certificate	Reference	File NO.	Mark
UL	UL1449	E322662	● Approved ◆ Under application
PSE	J60691	pending	
TUV	EN60691	pending	

*Nominal Discharge Current, In: UL 1449 3rd Edition

** Maximal Discharge Current, I_{max}: IEC 61643-1