

MOV & TMOV Product Portfolio

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MOV (Metal Oxide Varistor, SR Series)

V.V.	18	22	27	33	39	47	56	68	82	100	120	150	180	200	220	240	270	300	330	360	390	430	470	510	560	620	680	750	780	820	910	950	1000	1100	1200		
Vrms	11	14	17	20	25	30	35	40	50	60	75	95	120	130	140	150	180	195	210	230	250	275	300	320	360	390	420	480	485	510	550	575	625	680	750		
5D/5E	#	#	#	#	#	#	#	#	●	#	#	#	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
7D/7E	#	#	#	#	#	#	#	#	●	#	#	#	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
10D/10E	#	#	#	#	#	#	#	#	●	#	#	#	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
14D/14E	#	#	#	#	#	#	#	#	●	#	#	#	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
18E								⊙					⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙		
20D/20E	#	#	#	#	#	#	#	#	●	#	#	#	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
25D													#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
32D													#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
34R													#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
40D													#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#
53D													#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

- V.V: Varistor voltage at 1mA.
- D: standard series, E: high energy series, R: square type
- Vrms: Max. continuous operating voltage
- # # Means available item, ⊙ means high energy MOV available and * # means both standard & high energy MOV available.
- Safety approvals: (a) UL 1499 recognized (File# E 172311), UL 1411 recognized (File# E 182369), UL497B recognized (File# E 199593)
(b) CAS 22.2#1 recognized (File# LR109496-1 & LR109496-4).
(c) VDE/CECC 42000/42200/42201, IEC 61051-1/61051-2/61051-2-2 (Certificate # 5932, 40010090,40003435). For 5D -20D, 7E-18E only.

TMOV (Thermally MOV, FSR Series)

V.V.	180	200	220	240	270	300	310	320	330	360	390	430	470	510	530	560	620	680	750	780	820	910	950	1000	1050	1100	1200										
Vrms	115	130	140	150	175	195	200	200	210	230	250	275	300	320	330	360	385	420	460	485	510	550	575	625	660	680	750										
14E	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
18E	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
20E	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
25D	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	
34R	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#	#

- FSR is a MOV Varistor attached with thermal fuse. FSR would be disconnected from power source once MOV temperature exceeds certain level.
- V.V: Varistor voltage at 1mA.
- Vrms: Max. continuous operating voltage
- # # Means available item.
- Safety approvals UL 1411 recognized (File# E 182369) & UL 1449 recognized (Pending, File# E 1723111)

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Reference Code: OICASPASSIVECOMPONENT