

Glass Passivated Transient voltage suppressors diodes

The plastic material carries UL recognition: 94V-O.

5KP Series. 5.000 W/1 ms. expo. Plastic Case: P6. Outline: 5 Unidirectional

Type	Breakdown Voltage V_{BR} Volts (Note 1)		at I_R (mA)	Maximum Reverse Leakage Current		Maximum Clamping Voltage		Maximum Temperature Coefficient of V_{BR} (%C)
	Min.	Max.		I_{RM} (μ A)	V_{RM} (V)	V_{CL} (V)	I_{PP} (A)	
Unidirectional								
5KP7.5	8.33	10.2	5	250	7.5	14.3	350	0.073
5KP7.5A	8.33	9.21	5	250	7.5	12.9	388	0.073
5KP8.0	8.89	10.9	5	150	8	15	333	0.075
5KP8.0A	8.89	9.83	5	150	8	13.6	367	0.075
5KP8.5	9.44	11.5	5	50	8.5	15.9	314	0.078
5KP8.5A	9.44	10.4	5	50	8.5	14.4	347	0.078
5KP9.0	10	12.2	5	20	9	16.9	295	0.081
5KP9.0A	10	11.1	5	20	9	15.4	325	0.081
5KP10	11.1	13.6	5	15	10	18.8	266	0.084
5KP10A	11.1	12.3	5	15	10	17	294	0.084
5KP11	12.2	14.9	5	10	11	20.1	249	0.086
5KP11A	12.2	13.5	5	10	11	18.2	274	0.086
5KP12	13.3	16.3	5	10	12	22	227	0.088
5KP12A	13.3	14.7	5	10	12	19.9	251	0.088
5KP13	14.4	17.6	5	10	13	23.8	210	0.09
5KP13A	14.4	15.9	5	10	13	21.5	232	0.09
5P14	15.6	19.1	5	10	14	25.8	194	0.092
5KP14A	15.6	17.2	5	10	14	23.2	215	0.092
5KP15	16.7	20.4	5	10	15	26.9	188	0.094
5KP15A	16.7	18.5	5	10	15	24.4	206	0.094
5KP16	17.8	21.8	5	10	16	28.8	176	0.096
5KP16A	17.8	19.7	5	10	16	26.1	191	0.096
5KP17	18.9	23.1	5	10	17	30.5	164	0.097
5KP17A	18.9	20.9	5	10	17	27.6	181	0.097
5KP18	20	24.4	5	10	18	32.2	155	0.098
5KP18A	20	22.1	5	10	18	29.2	172	0.098
5KP20	22.2	27.1	5	10	20	35.8	139	0.099
5KP20A	22.2	24.5	5	10	20	32.4	154	0.099
5KP22	24.4	29.8	5	10	22	39.4	127	0.100
5KP22A	24.4	26.9	5	10	22	35.5	141	0.100
5KP24	26.7	32.6	5	10	24	43	116	0.101
5KP24A	26.7	29.5	5	10	24	38.9	128	0.101
5KP26	28.9	35.3	5	10	26	46.6	107	0.101
5KP26A	28.9	31.9	5	10	26	42.1	119	0.101
5KP28	31.1	38	5	10	28	50.1	99	0.102
5KP28A	31.1	34.4	5	10	28	45.4	110	0.102
5KP30	33.3	40.7	5	10	30	53.5	93	0.103
5KP30A	33.3	36.8	5	10	30	48.4	103	0.103
5KP33	36.7	44.9	5	10	33	59	85	0.104
5KP33A	36.7	40.6	5	10	33	53.3	94	0.104
5KP36	40	48.9	5	10	36	64.3	78	0.104
5KP36A	40	44.2	5	10	36	58.1	85	0.104
5KP40	44.4	54.3	5	10	40	71.4	70	0.105
5KP40A	44.4	49.1	5	10	40	64.5	78	0.105
5KP43	47.8	58.4	5	10	43	76.7	65	0.105
5KP43A	47.8	52.8	5	10	43	69.4	72	0.105
5KP45	50	61.1	5	10	45	80.3	62	0.106
5KP45A	50	55.3	5	10	45	72.7	69	0.106
5KP48	53.3	65.2	5	10	48	85.5	58	0.106
5KP48A	53.3	58.9	5	10	48	77.4	65	0.106
5KP51	56.7	69.3	5	10	51	91.1	55	0.107
5KP51A	56.7	62.7	5	10	51	82.4	61	0.107

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SKP Series. 5.000 W./1 ms. expo. Plastic Case: P6. Outline: 5 Unidirectional

Type	Breakdown Voltage V_{BR} Volts (Note 1)		at I_R (mA)	Maximum Reverse Leakage Current		Maximum Clamping Voltage		Maximum Temperature Coefficient of V_{BR} (%C)
	Min.	Max.		I_{RM} (μ A)	V_{RM} (V)	V_{CL} (V)	I_{PP} (A)	
Unidirectional								
5KP54	60	73.3	5	10	54	96.3	52	0.107
5KP54A	60	66.3	5	10	54	87.1	57	0.107
5KP58	64.4	78.7	5	10	58	103	49	0.107
5KP58A	64.4	71.2	5	10	58	94	53	0.107
5KP60	66.7	81.5	5	10	60	107	47	0.108
5KP60A	66.7	73.7	5	10	60	97	52	0.108
5KP64	71.1	96.9	5	10	34	114	44	0.108
5KP64A	71.1	78.6	5	10	34	103	49	0.108
5KP70	77.8	95.1	5	10	70	125	40	0.108
5KP70A	77.8	86	5	10	70	113	44	0.108
5KP75	83.3	102	5	10	75	134	37	0.108
5KP75A	83.3	92.1	5	10	75	121	41	0.108
5KP78	86.7	106	5	10	78	138	36	0.108
5KP78A	86.7	95.8	5	10	78	124	40	0.108
5KP85	94.4	115	5	10	85	151	33	0.108
5KP85A	94.4	104	5	10	85	137	36	0.110
5KP90	100	122	5	10	90	160	31	0.110
5KP90A	100	111	5	10	90	146	34	0.110
5KP100	111	136	5	10	100	179	28	0.110
5KP100A	111	123	5	10	100	162	31	0.110
5KP110	122	149	5	10	110	196	26	0.112
5KP110A	122	135	5	10	110	177	28	0.112

NOTES:

- V_{BR} measured after $I_R =$ Square Wave Pulse or equivalent.
- $V_f = 3.5$ Volts max $I_f = 100$ A for all types on 1/2 square or equivalent Sine Wave.

Automotive transient voltage suppressors

Protection against load dump effect.

MR2520L Series. 5.000 W./1 ms. expo. Plastic Case: P-6. Outline: 5 Unidirectional

Type	Maximum Reverse Leakage Current		(1)	Breakdown Voltage $V_{(BR)}$ (V)			at I_R (mA)	Max. Clamping Voltage $V_{(CL)}$ at I_{PP} max. 10 ms. Expo.	
	I_{RM} (μ A)	at V_{RM} (V)		Min.	Nom.	Max.		(V)	(A)
Unidirectional									
MR2520L	20	23	24	28	32	100	40	40	

- (1) Tested with pulses.
Pulse test: $t_p \leq 50$ ms; $\delta < 2\%$.