

# 5KP SERIES

CASE : R-6

PART NO.	Nominal Voltage			Reverse Stand-off Voltage $V_{RM}$ (max)	Maximum Surge Current $I_{SM}$ (1000 $\mu$ s)	Maximum Peak Pulse Current $I_{PP}$ (100 $\mu$ s)	Maximum Clamping Voltage $V_C$ (max)	Maximum Temperature Coefficient of $V_M$ (%/C)
	$V_M$ (max)		$I_{SM}$ (mA)					
	MIN	MAX						
5P10	6.40	7.30	50	5.0	2000	520	9.6	0.057
5P12	6.40	7.00	50	5.0	2000	543	9.2	0.057
5P15	6.67	8.15	50	6.0	5000	439	11.4	0.061
5P18	6.67	7.37	50	6.0	5000	485	10.3	0.061
5P20	7.22	8.82	50	6.5	2000	407	12.3	0.065
5P24	7.22	7.98	50	6.5	2000	447	11.2	0.065
5P27	7.78	9.51	50	7.0	1000	378	13.3	0.068
5P30	7.78	8.60	50	7.0	1000	417	12.0	0.068
5P33	8.33	10.2	5.0	7.5	250	350	14.3	0.073
5P36	8.33	9.21	5.0	7.5	250	388	12.9	0.073
5P40	8.89	10.9	5.0	8.0	150	333	15.0	0.075
5P45	8.89	9.83	5.0	8.0	150	367	13.6	0.075
5P50	9.44	11.5	5.0	8.5	50	314	15.9	0.076
5P55	9.44	10.4	5.0	8.5	50	347	14.4	0.078
5P60	10.0	12.2	5.0	9.0	20	295	16.9	0.081
5P65	10.0	11.1	5.0	9.0	20	325	15.4	0.081
5P70	11.1	13.6	5.0	10.0	15	266	18.8	0.084
5P75	11.1	12.3	5.0	10.0	15	294	17.0	0.084
5P80	12.2	14.9	5.0	11.0	10	249	20.1	0.086
5P85	12.2	13.5	5.0	11.0	10	274	18.2	0.086
5P90	13.3	16.3	5.0	12.0	10	227	22.2	0.088
5P95	13.3	14.7	5.0	12.0	10	251	19.9	0.088
5P100	14.4	17.6	5.0	13.0	10	210	23.8	0.090
5P110	14.4	15.9	5.0	13.0	10	232	21.5	0.090
5P120	15.6	19.1	5.0	14.0	10	194	25.8	0.092
5P130	15.6	17.2	5.0	14.0	10	215	23.2	0.092
5P140	16.7	20.4	5.0	15.0	10	188	26.9	0.094
5P150	16.7	18.5	5.0	15.0	10	206	24.4	0.094
5P160	17.8	21.8	5.0	16.0	10	176	28.8	0.096
5P170	17.8	19.7	5.0	16.0	10	176	28.8	0.096
5P180	18.9	23.1	5.0	17.0	10	164	30.5	0.097
5P190	18.9	20.9	5.0	17.0	10	161	27.6	0.097
5P200	20.0	24.4	5.0	18.0	10	155	32.2	0.098
5P210	20.0	22.1	5.0	18.0	10	172	29.2	0.098
5P220	22.2	27.1	5.0	20.0	10	139	35.8	0.099
5P230	22.2	24.5	5.0	20.0	10	154	32.4	0.099
5P240	24.4	29.8	5.0	22.0	10	127	39.4	0.100
5P250	24.4	26.9	5.0	22.0	10	141	35.5	0.100
5P260	26.7	32.6	5.0	24.0	10	116	43.0	0.101
5P270	26.7	29.5	5.0	24.0	10	128	38.9	0.101
5P280	28.9	35.3	5.0	26.0	10	107	46.6	0.101
5P290	28.9	31.9	5.0	26.0	10	119	42.1	0.101
5P300	31.1	38.0	5.0	28.0	10	99	50.1	0.102
5P310	31.1	34.4	5.0	28.0	10	110	45.4	0.102
5P320	33.3	40.7	5.0	30.0	10	93	53.5	0.103
5P330	33.3	36.8	5.0	30.0	10	103	48.4	0.103
5P340	36.7	44.9	5.0	33.0	10	85	59.0	0.104
5P350	36.7	40.6	5.0	33.0	10	94	53.3	0.104

**RECTRON**  
SEMICONDUCTOR

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PART NO.	Breakdown Voltage		$I_T$ (mA)	Reverse Stand-off Voltage $V_{RR}$ (Volts)	Maximum Reverse Leakage at $V_{RR}$ ( $\mu$ mA)	Maximum Peak Pulse Current $I_{PP}$ (Amps)	Maximum Clamping Voltage at $I_{PP}$ $V_C$ (Volts)	Maximum Temperature Coefficient of $V_{BR}$ (% C)
	$V_{BR}$ (Volts)							
	MIN.	MAX.						
5KP36	40.0	48.9	5.0	36.0	10	78	64.3	0.104
5KP36A	40.0	44.2	5.0	36.0	10	85	58.1	0.104
5KP40	44.4	54.3	5.0	40.0	10	70	71.4	0.105
5KP40A	44.4	49.1	5.0	40.0	10	78	64.5	0.105
5KP43	47.8	58.4	5.0	43.0	10	65	76.7	0.105
5KP43A	47.8	52.8	5.0	43.0	10	72	69.4	0.105
5KP45	50.0	61.1	5.0	45.0	10	62	80.3	0.106
5KP45A	50.0	55.3	5.0	45.0	10	69	72.7	0.106
5KP48	53.3	65.2	5.0	48.0	10	58	85.5	0.106
5KP48A	53.3	58.9	5.0	48.0	10	65	77.4	0.106
5KP51	56.7	69.3	5.0	51.0	10	55	91.1	0.107
5KP51A	56.7	62.7	5.0	51.0	10	61	82.4	0.107
5KP54	60.0	73.3	5.0	54.0	10	52	96.3	0.107
5KP54A	60.0	66.3	5.0	54.0	10	57	87.1	0.107
5KP58	64.4	78.8	5.0	58.0	10	49	103	0.107
5KP58A	64.4	71.2	5.0	58.0	10	53	94	0.107
5KP60	66.7	81.5	5.0	60.0	10	47	107	0.108
5KP60A	66.7	73.7	5.0	60.0	10	52	97	0.108
5KP64	71.1	96.9	5.0	64.0	10	44	114	0.108
5KP64A	71.1	78.6	5.0	64.0	10	49	103	0.108
5KP70	77.6	95.1	5.0	70.0	10	40	125	0.108
5KP70A	77.6	86.0	5.0	70.0	10	44	113	0.108
5KP75	83.3	102	5.0	75.0	10	37	134	0.108
5KP75A	83.3	92.1	5.0	75.0	10	41	121	0.108
5KP78	86.7	106	5.0	78.0	10	36	126	0.108
5KP78A	86.7	95.8	5.0	78.0	10	40	126	0.108
5KP85	94.9	115	5.0	85.0	10	33	151	0.108
5KP85A	94.9	104	5.0	85.0	10	36	137	0.110
5KP90	100	122	5.0	90.0	10	31	160	0.110
5KP90A	100	111	5.0	90.0	10	34	146	0.110
5KP100	111	136	5.0	100	10	28	179	0.110
5KP100A	111	123	5.0	100	10	31	162	0.110
5KP110	122	149	5.0	110	10	26	196	0.112
5KP110A	122	135	5.0	110	10	28	177	0.112

NOTE :  $V_{BR}$  measured after  $I_T$  applied for 300ms.  $I_T$  = square wave pulse or equivalent.

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