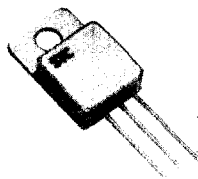


SCHOTTKY RECTIFIERS

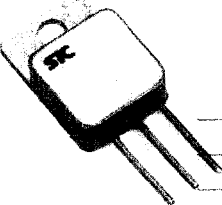
PACKAGE

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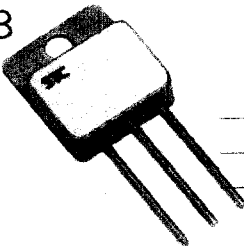
DEVICE TYPE	INVERSE VOLTAGE VOLTS	I_O (avg) AMPS 100°C	V_F @ I_O VOLTS		I_R @ PIV MA		CHIP
			25°C	125°C	25°C	125°C	
SPD1630	30	16A	.63	.57	.2	40	MBRC1630
SPD1645	45	16A	.69	.59	.2	40	MBRC1645
SPD16100	100	16A	.88	.69	1	10	SC125H100A

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DEVICE TYPE	INVERSE VOLTAGE VOLTS	I_O (avg) AMPS 100°C	V_F @ I_O VOLTS		I_R @ PIV MA		CHIP
			25°C	125°C	25°C	125°C	
SPD3030	30	30A	.72	.64	1.75	70	SC125S045A
SPD3045	45	30A	.72	.64	1.75	70	SC125S045A
SPD30100	100	30A	1.05	.81	.55	7	SC125S100A

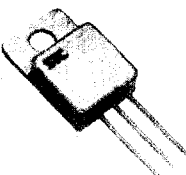
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DEVICE TYPE	INVERSE VOLTAGE VOLTS	I_O (avg) AMPS 100°C	V_F @ I_O VOLTS		I_R @ PIV MA		CHIP
			25°C	125°C	25°C	125°C	
SPD4030	30	40A	.59	.56	4	150	SC175S045A
SPD4045	45	40A	.59	.56	4	150	SC175S045A
SPD40100	100	40A	.92	.80	1.5	20	SC175H100A

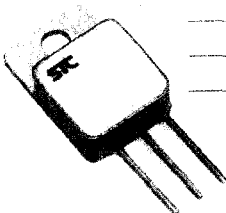
PACKAGE

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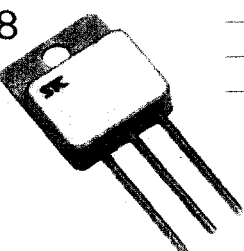
DEVICE TYPE	INVERSE VOLTAGE VOLTS	I_O (avg) AMPS 100°C	V_F @ I_O VOLTS		I_R @ PIV MA		CHIP
			25°C	125°C	25°C	125°C	
SPD1630C	30	16A	.63	.57	.2	40	MBRC1630
SPD1645C	45	16A	.69	.59	.2	40	MBRC1645
SPD16100C	100	16A	.88	.69	1	10	SC125H100A

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SPD3030C	30	30A	.72	.64	1.75	70	SC125S045A
SPD3045C	45	30A	.72	.64	1.75	70	SC125S045A
SPD30100C	100	30A	1.05	.81	.55	7	SC125S100A

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SPD4030C	30	40A	.59	.56	4	150	SC175S045A
SPD4045C	45	40A	.59	.56	4	150	SC175S045A
SPD40100C	100	40A	.92	.80	1.5	20	SC175H100A

Note:

① Type number listed is for common cathode version. For common anode types replace "C" in type number with "A".

For doublers, replace "C" with "D" (see pinouts in mechanical dimensions).

② $T_c = 100^\circ\text{C}$.

~ All ratings are at $T_A = 25^\circ\text{C}$ unless otherwise specified.

~ Maximum operating and storage temperature -65°C to $+175^\circ\text{C}$. ($+150^\circ\text{C}$ for 30 volt Schottky devices).