



SCHOTTKY RECTIFIERS
SSP820 SSP830 SSP840

POWER SCHOTTKY RECTIFIERS

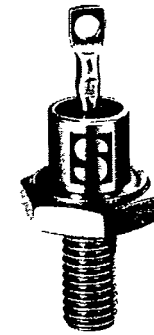
8 AMPERES

FEATURES

HIGH EFFICIENCY
NANOSECOND SWITCHING
LOW CAPACITANCE
HERMETICALLY SEALED
VERY LOW FORWARD VOLTAGE DROP

APPLICATIONS

HIGH SPEED SWITCHING CIRCUITS
SWITCHING POWER SUPPLIES



DO-203AA (DO-4)

ABSOLUTE MAXIMUM RATINGS

		SSP820	SSP830	SSP840
V_{BR}	REVERSE BREAKDOWN VOLTAGE @ 10mA	20V	30V	40V
I_F	FORWARD CURRENT	_____ 8.0A _____		
$I_{F(SURGE)}$	FORWARD SURGE CURRENT (8.3ms NON REPETITIVE SINE WAVE)	_____ 400A _____		
$R_{\theta JC}$	THERMAL RESISTANCE JUNCTION TO CASE	_____ 2°C/W _____		
$T_{(OPER)}$	OPERATING TEMPERATURE	_____ -65°C to 175°C _____		
$T_{(STOR)}$	STORAGE TEMPERATURE	_____ -65°C to 175°C _____		

9-83-559

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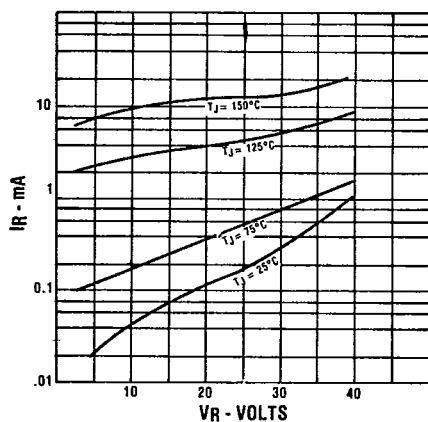
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ELECTRICAL CHARACTERISTICS (T_C = 25°C UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	MIN.	MAX.	UNITS
FORWARD VOLTAGE DROP (I _F = 1.0A) (I _F = 8.0A)	V _F		0.40 0.60	V V
REVERSE CURRENT (@ V _{BR} , T = 125°C)	I _R		75	mA
CAPACITANCE (V _R = 5.0V)	C		1200	pF

TYPICAL REVERSE CHARACTERISTICS



TYPICAL FORWARD CHARACTERISTICS

