



**SCHOTTKY RECTIFIERS**  
 SSP1520 SSP1530 SSP1540

## POWER SCHOTTKY RECTIFIERS

**15 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

		<u>SSP1520</u>	<u>SSP1530</u>	<u>SSP1540</u>
V <sub>BR</sub>	REVERSE BREAKDOWN VOLTAGE @ 10mA	20V	30V	40V
I <sub>F</sub>	FORWARD CURRENT	_____ 15A _____		
I <sub>F(SURGE)</sub>	FORWARD SURGE CURRENT (8.3ms NON REPETITIVE SINE WAVE)	_____ 400A _____		
R <sub>θJC</sub>	THERMAL RESISTANCE JUNCTION TO CASE	_____ 2°C/W _____		
T <sub>(OPER)</sub>	OPERATING TEMPERATURE	_____ -65°C to 175°C _____		
T <sub>(STOR)</sub>	STORAGE TEMPERATURE	_____ -65°C to 175°C _____		

9-83-559

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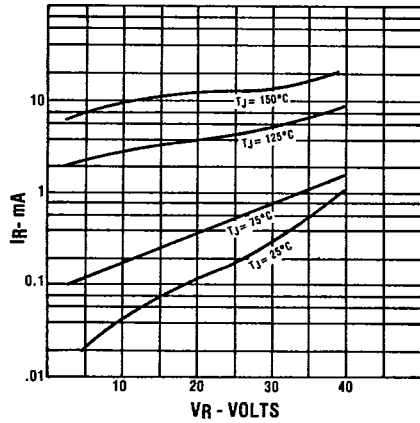
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**ELECTRICAL CHARACTERISTICS ( T<sub>C</sub> = 25°C UNLESS OTHERWISE NOTED)**

CHARACTERISTICS	SYMBOL	MIN.	MAX.	UNITS
FORWARD VOLTAGE DROP (I <sub>F</sub> = 8A) (I <sub>F</sub> = 15A)	V <sub>F</sub>		0.45 0.60	V V
REVERSE CURRENT (@ V <sub>BR</sub> , T = 125°C)	I <sub>R</sub>		75	mA
CAPACITANCE (V <sub>R</sub> = 5.0V)	C		1200	pF

TYPICAL REVERSE CHARACTERISTICS



TYPICAL FORWARD CHARACTERISTICS

