

## Schottky Barrier Rectifier

## TSSD10L200SW

### FEATURES

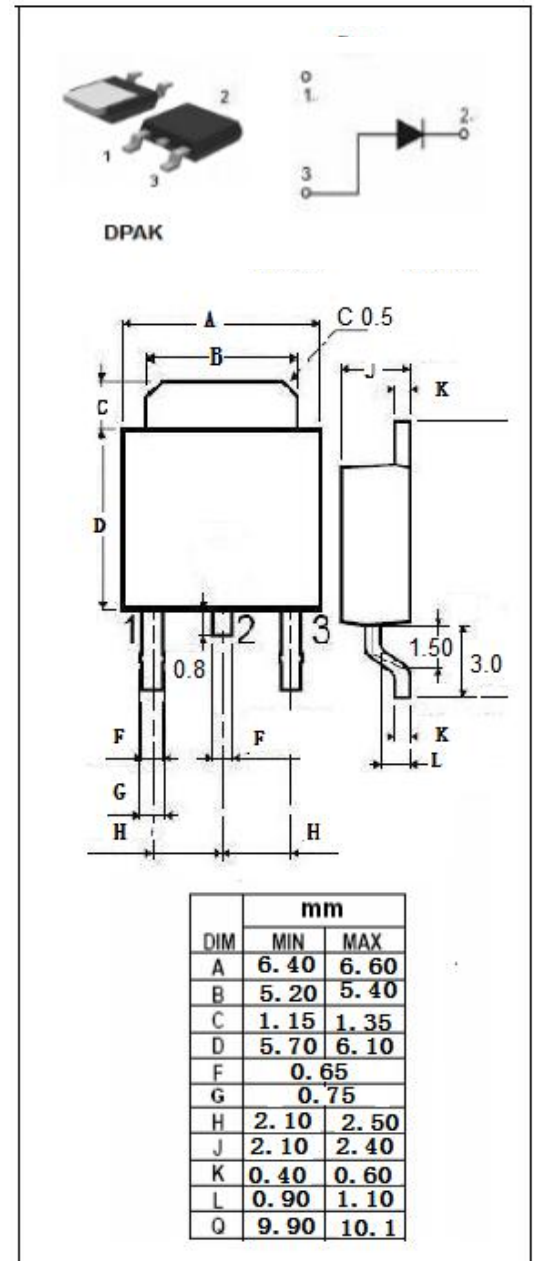
- Low Forward Voltage
- High Frequency
- Extremely low reverse leakage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

### APPLICATIONS

- Switching mode power supplies
- Lighting application
- DC/DC Converters

### ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V <sub>RRM</sub>	Peak Repetitive Reverse Voltage DC Blocking Voltage	200	V
I <sub>F(AV)</sub>	Average Rectified Forward Current	10	A
I <sub>FSM</sub>	Non-repetitive Peak Surge Current (8.3ms single half sine-wave superimposed on rated load per diode)	200	A
T <sub>J</sub>	Junction Temperature	-55~150	°C
T <sub>stg</sub>	Storage Temperature Range	-55~150	°C



**Schottky Barrier Rectifier**
**TSSD10L200SW**
**THERMAL CHARACTERISTICS**

SYMBOL	PARAMETER	MAX	UNIT
$R_{th\ j-c}$	Thermal Resistance, Junction to Case	15	$^{\circ}C/W$

**ELECTRICAL CHARACTERISTICS** (Pulse Test: Pulse Width=300us, Duty Cycle $\leq$ 2%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
$V_F$	Forward Voltage per diode	$I_F=10A; T_J=25^{\circ}C$	1.05	V
		$I_F=10A; T_J=125^{\circ}C$	0.85	
$I_R$	Reverse Current per diode	$V_R=200V; T_J=25^{\circ}C$	20	$\mu A$
		$V_R=200V; T_J=125^{\circ}C$	1	mA

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