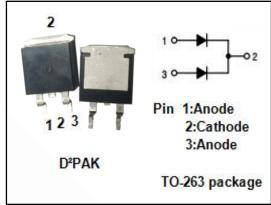


Schottky Barrier Rectifier

STPS20L45CG

FEATURES

- Dual Rectifier Conduction, Positive Center Tap
- · Low Power Loss/High Efficiency
- High Current Capability, Low Forward Voltage Drop
- High Surge Capacity
- Guarding for Overvoltage protection
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

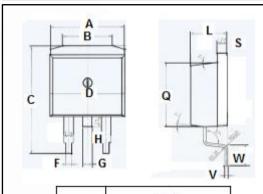


APPLICATIONS

 Designed for AC/DC switching adaptor and other switching power supply applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
Vrrm	repetitive reverse blocking voltage	45	٧
lF	forward voltage drop	20	Α
IFSM	Following any rated load condition and with rated.VAAM applied 5 μ s sine or 3 μ s rect. pulse	180	A
TJ	Junction Temperature	-65~150	$^{\circ}$
T _{stg}	Storage Temperature Range	-65~150	$^{\circ}$



ым -	m	ım
DIIVI	MIN	MAX
Α	9.8	10.2
В	6.6	6.8
С	15.1	15.3
D	9.6	10
F	0.7	0.9
G	1.26	1.3
Н	1.2	1.45
L	4.4	4.6
Q	9.2	9.3
S	1.25	1.35
V	0.4	0.6
W	2.6	2.8

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THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
Rth j-c	Thermal Resistance,Junction to Case	1.3	°C/W

ELECTRICAL CHARACTERISTICS(Pulse Test: Pulse Width≤300 µ s,Duty Cycle≤1%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
VF	Maximum Instantaneous Forward Voltage	I _F = 10A ; T _C = 25 °C I _F = 20A ; T _C = 25 °C	0.55 0.73	V
I _R	Maximum Instantaneous Reverse Current	Rated DC Voltage, T _C = 25 °C	0.2	mA

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