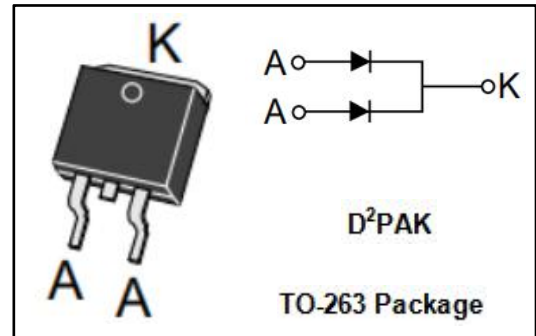


Schottky Barrier Rectifier

DSSK28-006BS
FEATURES

- Schottky Barrier Chip
- Guard Ring Die Construction for Transient Protection
- Low Power Loss/High Efficiency
- High Surge Capability
- High Current Capability, Low Forward Voltage Drop
- Minimum Lot-to-Lot variations for robust device performance and reliable operation


APPLICATIONS

- Low Voltage High Frequency Switching Power Supply.
- Low Voltage High Frequency Invers Circuit.
- Low Voltage Continued Circuit and Protection Circuit.

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

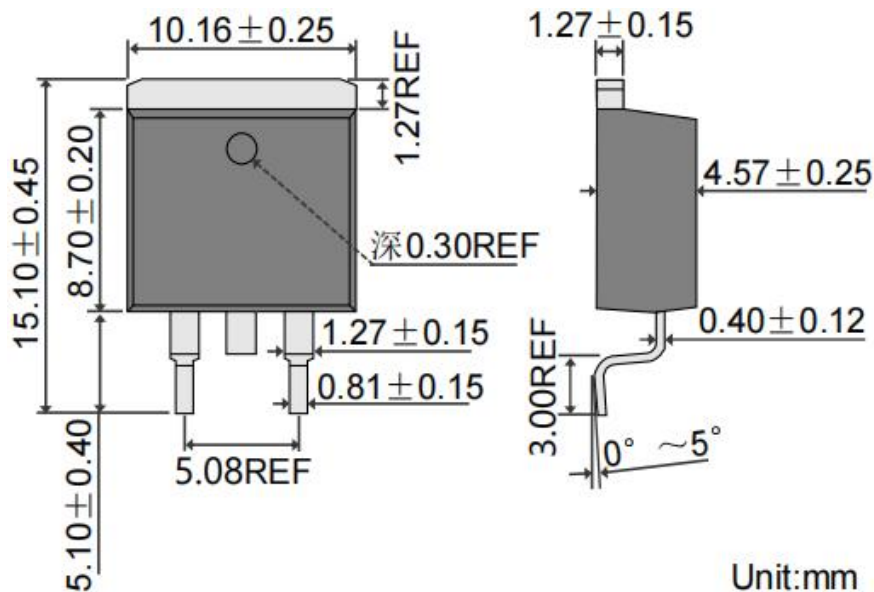
SYMBOL	PARAMETER	VALUE	UNIT
V _{RRM} V _{RWM} V _R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	60	V
I _{F(AV)}	Average Rectified Forward Current (Rated V _R) T _C = 135°C	30	A
I _{FSM}	Nonrepetitive Peak Surge Current (Surge applied at rated load conditions half-wave, single phase, 50Hz)	300	A
T _J	Junction Temperature	-55~150	°C
T _{stg}	Storage Temperature Range	-55~150	°C

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case	1.1	°C/W

Schottky Barrier Rectifier
DSSK28-006BS
ELECTRICAL CHARACTERISTICS (Pulse Test: Pulse Width=5ms,Duty Cycle<2.0%)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Maximum Instantaneous Forward Voltage	$I_F=15A; T_C=125^\circ C$ $I_F=15A; T_C=25^\circ C$ $I_F=30A; T_C=125^\circ C$	0.52 0.56 0.69	V
I_R	Maximum Instantaneous Reverse Current	Rated DC Voltage, $T_C=25^\circ C$ Rated DC Voltage, $T_C=100^\circ C$	20 50	mA


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