

Schottky Rectifier
SK1040D1
FEATURES

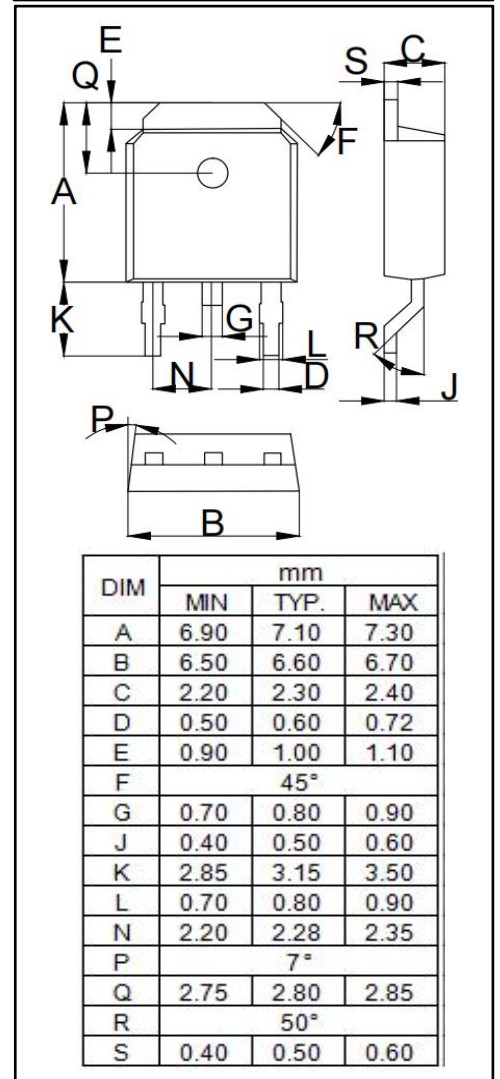
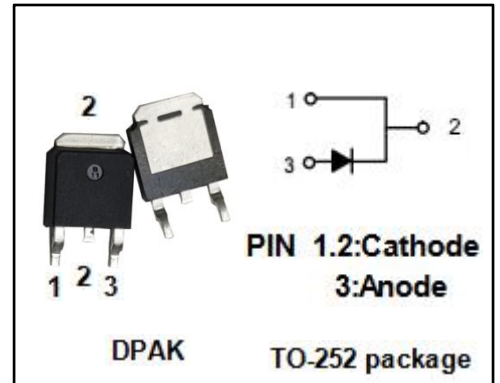
- Low forward voltage drop, low power losses
- High efficiency operation

APPLICATIONS

- Switching powersupplies
- Freewheeling diodes
- OR-ing diode
- DC/DCconverters
- Reverse battery protection

ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

SYMBOL	PARAMETER	VALUE	UNIT
V_{RRM}	Max. repetitive peak reverse voltage	40	V
$I_{F(AV)}$	Average Rectified Forward Current $T_c=100^{\circ}\text{C}$	10	A
I_{FSM}	Peak forward surge current50/60 Hz half sine-wave	125	A
T_J	Junction Temperature	-55~150	$^{\circ}\text{C}$
T_{stg}	Storage Temperature Range	-55~175	$^{\circ}\text{C}$



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ELECTRICAL CHARACTERISTICS(Ta=25°C)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _F	Maximum Instantaneous Forward Voltage	I _F = 5A ; Ta= 25°C	0.51	V
I _R	Leous Reverse Current	V _R =V _{RRM} , T _C = 25°C	300	uA
		V _R =V _{RRM} , T _C = 100°C	45	mA


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