

SEMICONDUCTOR TECHNICAL DATA

SMAB36

SCHOTTKY BARRIER TYPE DIODE

SWITCHING TYPE POWER SUPPLY APPLICATIONS.

FEATURES

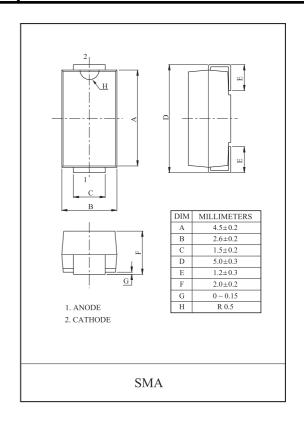
- · Low Profile Surface Mount Package.
- · Low Power Loss, High Efficiency.
- · For Use in Low Voltage, High Frequency inverters, Free Wheeling, and Polarity Protection Applications.

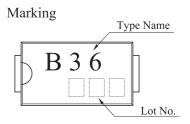
APPLICATION

- · Switching Power Supply.
- · DC/DC Converter.
- · Home Appliances, Office Equipment.
- · Telecommunication.

MAXIMUM RATING (Ta=25°C)

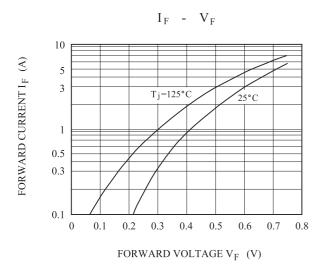
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	60	V
Average Output Rectitifed Current	I _O	3	A
Peak One Cycle Surge Forward Current (Non-Repetitive 60Hz)	I_{FSM}	70	A
Junction Temperature	T _j	-40 ~150	c
Storage Temperature Range	T_{stg}	-40 ~150	c

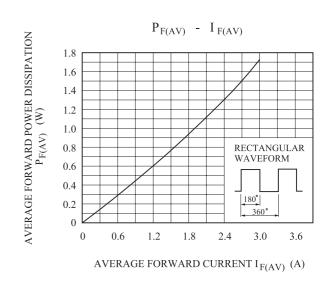


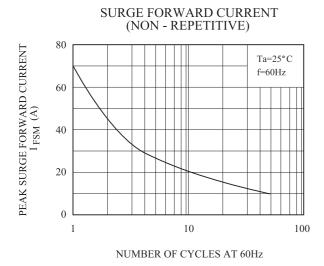


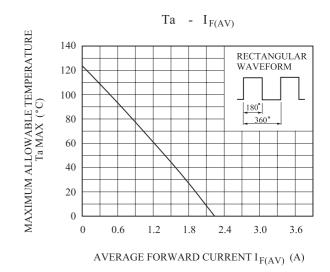
ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	I _{FM} =3.0A	-	-	0.6	V
Repetitive Peak Reverse Current	I_{RRM}	V _{RRM} =Rated	-	-	0.2	mA
Thermal Resistance	$R_{th(j-1)}$	Junction to lead	-	-	23	
	R _{th(j-a)}	Junction to ambient	_	_	108	°C/W
		(on alumina substrate)				









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