

SDB1060

Schottky Rectifier

Applications

- Switching mode power supply application
- Converter & chopper application

Features

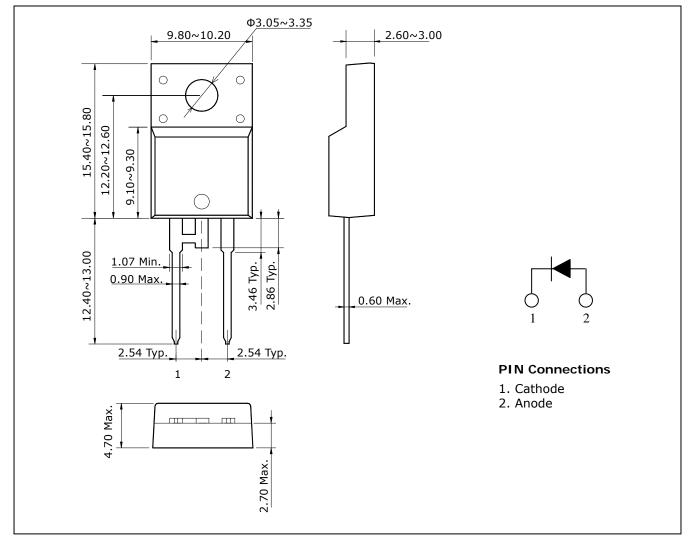
- Low forward voltage: V_{FM} =0.65V max.
- Low reverse current: I_{RRM} =1.5mA max. @ V_R =60V
- Low switching loss

Ordering Information

Type No.	Marking	Package Code	
SDB1060	SDB1060	TO-220F-2L	

Outline Dimensions

unit : mm



SDB1060

Absolute Maximum Ratings

Absolute Maximum Ratings			(Ta=25°C)	
Characteristic	Symbol	Rating	Unit	
Repetitive peak reverse voltage	V _{RRM}	60	V	
Average rectified output current	Io	10	А	
Peak surge forward current (Non-repetitive 60Hz sine wave)	I _{FSM}	120	А	
Junction temperature	T,	150	°C	
Storage temperature range	T _{stg}	-55 ~ 150	°C	

Electrical Characteristics

 $(Ta=25^{\circ}C)$

Electrical Characteristics			$(1a=25^{\circ}C)$			a=25 C)
Characteristic	Symbol	Test Condition	Min.	Тур.	Max.	Unit
Peak forward voltage	V_{FM} 1)	I _F =10A	-	0.61	0.65	V
Repetitive peak reverse current	I _{RRM}	V _R =60V	-	-	1.5	mA
Total capacitance	C _T	V_R =10V, f=1.0MHz	-	400	-	pF
Thermal resistance	R _{th}	Junction to ambient	-	-	62.5	°C/W
		Junction to case	-	-	4.0	

1) Pulse test : $t_P \leq 380 \ \mu\text{s}$, Duty cycle $\leq 2\%$

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Electrical Characteristic Curves

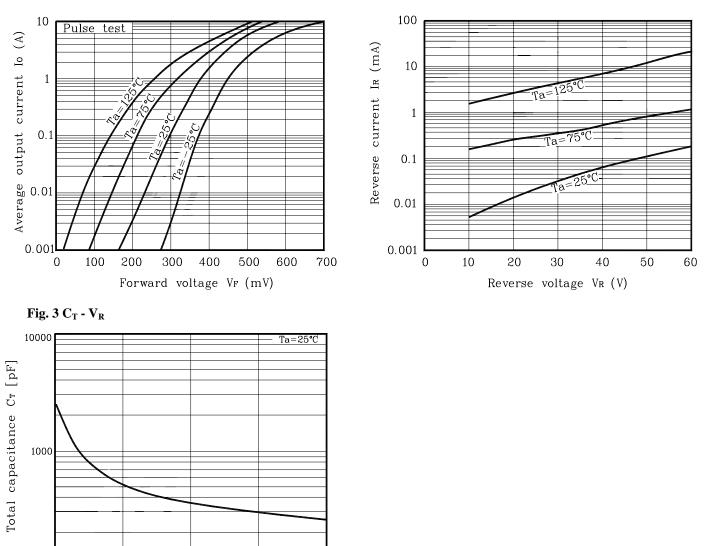
Fig. 1 I₀ - V_F

100

0

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Fig. 2 I_R - V_R



20 Reverse voltage VR [V]

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