

SDB1060PI

Schottky Rectifier

Applications

- Switching mode power supply
- Converter & chopper

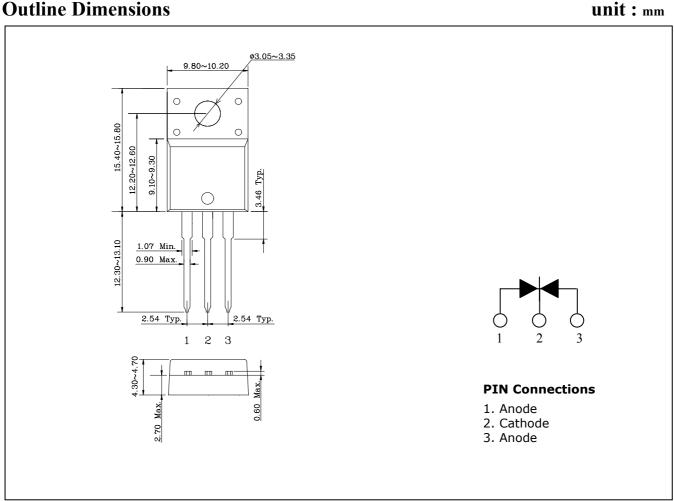
Features

- Low forward voltage: V_{FM} =0.65V Max.
- Low reverse current: I_{RRM}=0.5mA Max.
- Low switching loss

Ordering Information

Type No.	Marking	Package Code		
SDB1060PI	SDB1060PI	TO-220F-3L		

Outline Dimensions



KSD-D0O003-000

SDB1060PI

Absolute Maximum Ratings

(Ta=25°C)

Characteristic	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	60	V
Average rectified output current	I _O	10	А
Peak surge forward current (Non-repetitive 60Hz sine wave)	I _{FSM} 60		А
Junction temperature	T _J	150	°C
Storage temperature range	T_{stg}	-55 ~ 150	°C

Electrical Characteristics

(Ta=25°C)

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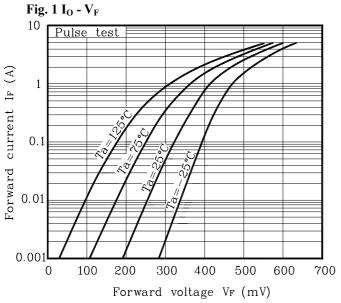
Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Peak forward voltage	V _{FM} 1)	I _{FM} =5A ²⁾	-	-	0.65	V
Repetitive peak reverse current	I _{RRM} 1)	V _{RRM} =60V ²⁾	-	1	0.5	mA
Total capacitance	C _T 1)	V _R =10V, f=1.0MHz	-	160	1	pF
Thermal resistance	R _{th}	Junction to ambient	-	1	62.5	- °C/W
		Junction to case	-	-	4	

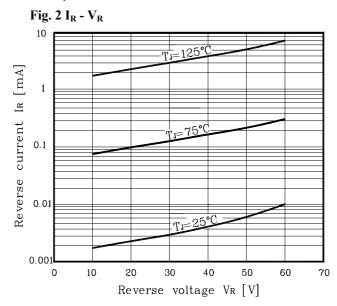
¹⁾ Per each unit

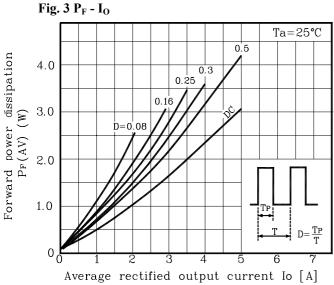
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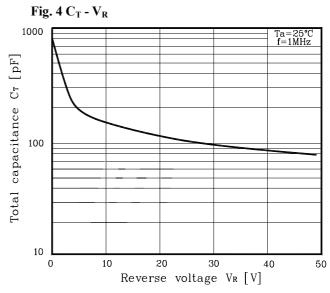
²⁾ Pulse test : $t_P \le 380 \,\mu\text{s}$, Duty cycle $\le 2\%$

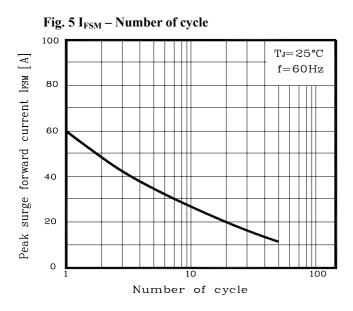
Electrical Characteristic Curves (per each unit)

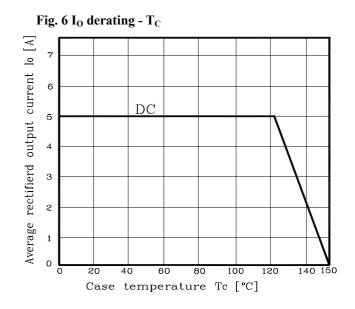












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SDB1060PI

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