

Schottky Rectifier

Applications

- Switching mode power supply application
- Converter & chopper application

Features

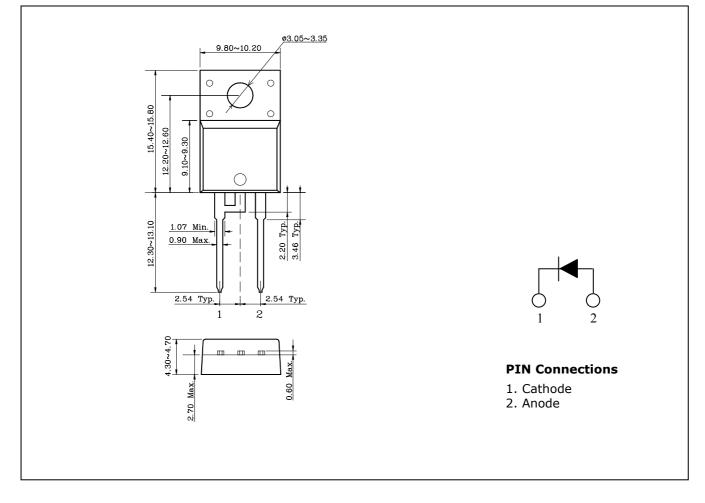
- Low forward voltage: V_{FM} =0.65V Max. @ I_F =5A
- \bullet Low reverse current: $I_{\text{RRM}}{=}0.5\text{mA}$ Max. @ $V_{\text{R}}{=}60\text{V}$
- Low switching loss

Ordering Information

Type No.	Marking	Package Code		
SDB560	SDB560	TO-220F-2L		

Outline Dimensions

unit : mm



Absolute Maximum Ratings

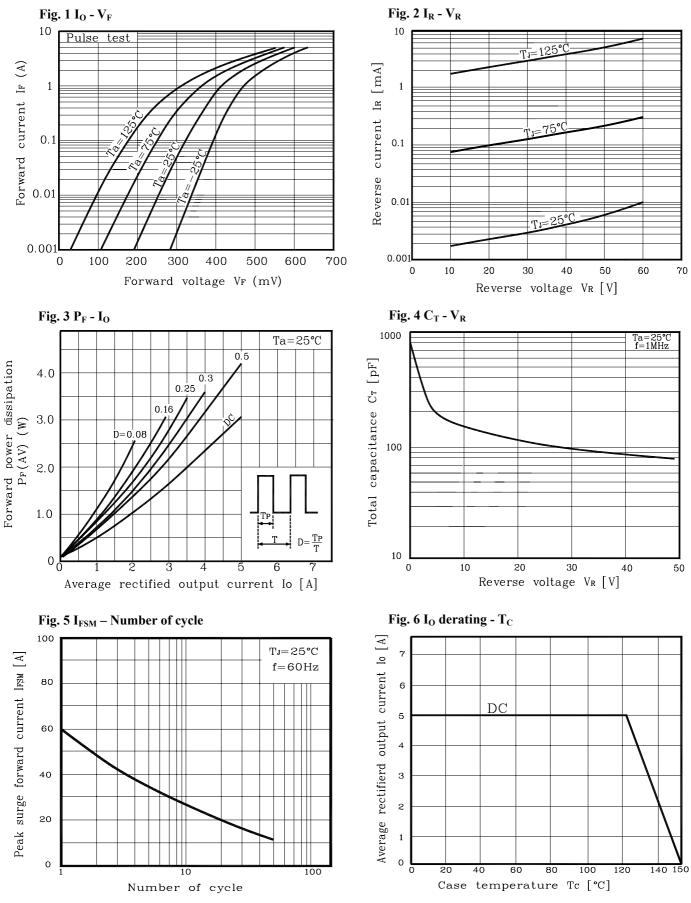
Absolute Maximum Ratings			(Ta=25°C)		
Characteristic	Symbol	Rating	Unit		
Repetitive peak reverse voltage	V _{RRM}	60	V		
Average rectified output current	I _O	5	А		
Peak surge forward current (Non-repetitive 60Hz sine wave)	I _{FSM}	60	A		
Junction temperature	Tյ	150	°C		
Storage temperature range	T _{stg}	-55 ~ 150	°C		

Electrical Characteristics

(Ta=25°C)

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

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



Electrical Characteristic Curves

KSD-D0Q003-000

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