

MA2D760

Silicon epitaxial planar type

For switching mode power supply

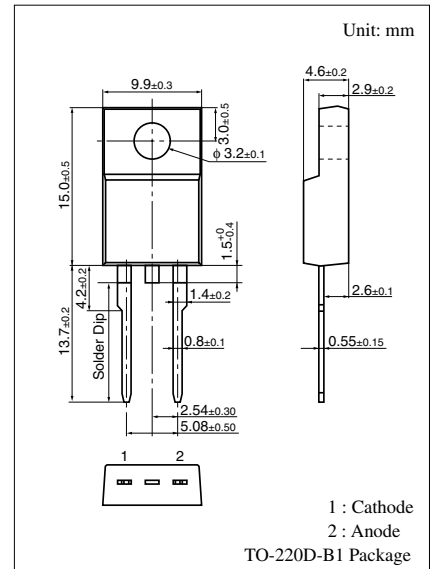
■ Features

- $I_{F(AV)} = 5$ A rectification is possible
- $V_R = 90$ V is guaranteed
- Single type
- TO-220D-B1 package

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Repetitive peak reverse-voltage	V_{RRM}	90	V
Average forward current	$I_{F(AV)}$	5	A
Non-repetitive peak forward-surge-current *	I_{FSM}	90	A
Junction temperature	T_j	-40 to +125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

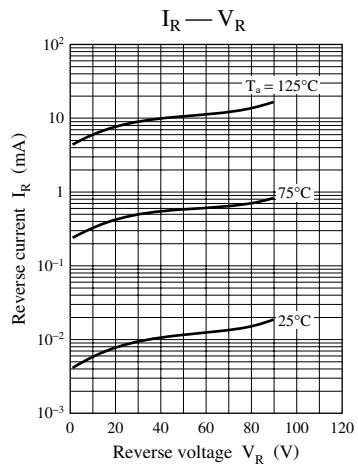
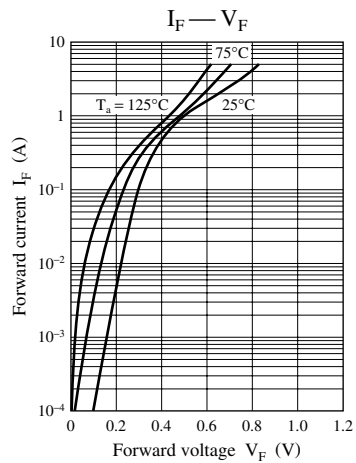
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)



■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 90$ V			3	mA
Forward voltage (DC)	V_F	$I_F = 5$ A			0.58	V
High voltage rectification	$R_{th(j-c)}$	Smoothed current (between junction and case)			3	$^\circ\text{C}/\text{W}$

Note) Rated input/output frequency: 150 kHz



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