

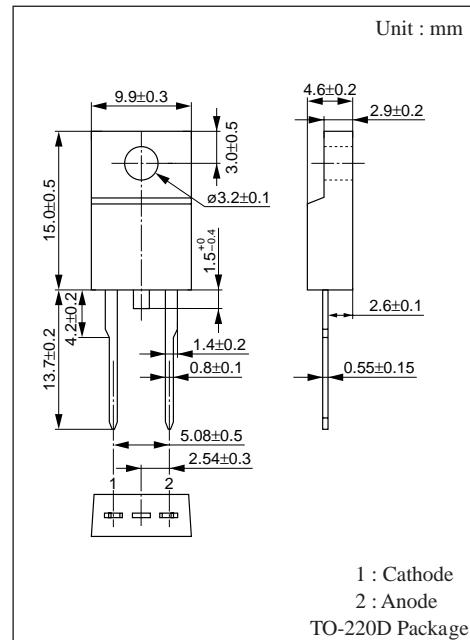
# MA2D760A

## Silicon epitaxial planer type

For switching power supply

### ■ Features

- TO-220D package
- $I_{F(AV)} = 5A$  rectification possible
- $V_R = 100V$  guaranteed
- Single type



### ■ Absolute Maximum Ratings ( $T_a = 25^\circ C$ )

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	$V_{RRM}$	100	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	°C
Storage temperature	$T_{stg}$	-40 to +125	°C

\* 50Hz sine wave, one-cycle wave, high value (non-repetitive)

### ■ Electrical Characteristics ( $T_a = 25^\circ C$ )

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	$I_R$	$V_R = 100V, T_C = 25^\circ C$			3	mA
Forward voltage (DC)	$V_F$	$I_F = 5A, T_C = 25^\circ C$			0.85	V
Thermal resistance	$R_{th(j-c)}$				3.0	°C/W

Note 1. Test method : According to JIS C7031 "Testing Methods for Small Signal Diodes"

2. Rated input/output frequency : 150kHz

3. Tightening torque-max. 8kg/cm