

MA2D749

Silicon epitaxial planer type

For switching power supply

■ Features

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

■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	40	V
Average forward current	$I_{F(AV)}$	5	A
Non-repetitive peak forward surge current	I_{FSM}^*	60	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 (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 40V$			3	mA
Forward voltage (DC)	V_F	$I_F = 5A$			0.55	V
Thermal resistance	$R_{th(j-c)}$	Flat direct current between junction and case			3.5	°C/W

❖ Rated input/output frequency : 150MHz



