MA3D756 (MA7D56)

Silicon epitaxial planar type (cathode common)

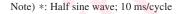
For switching mode power supply

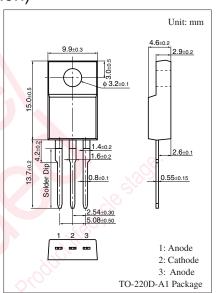
■ Features

- Low forward voltage V_F
- High dielectric breakdown voltage: > 5 kV
- Easy-to-mount, due to its V cut lead end

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

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V _{RRM}	60	V
Forward current (Average)	$I_{F(AV)}$	10	A
Non-repetitive peak forward surge current *	I_{FSM}	120	A
Junction temperature	Tj	-40 to +125	°C
Storage temperature	T_{stg}	-40 to +125	°C





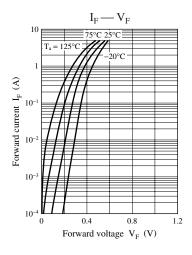
■ Electrical Characteristics T_C = 25°C ± 3°C

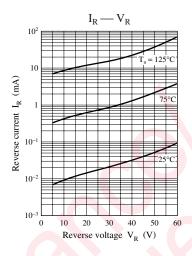
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	I _F = 5 A	1.90		0.58	V
Reverse current	I_R	$V_R = 60 \text{ V}$			3	mA
Thermal resistance (j-c)	R _{th(j-c)}	"10 ₁₀₁ , Sill.			3.0	°C/W

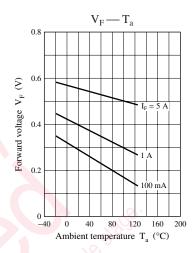
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

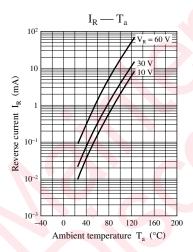
2. Absolute frequency of input and output is 50 MHz.

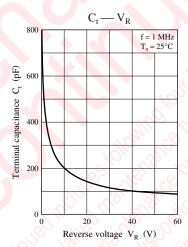
Note) The part number in the parenthesis shows conventional part number.

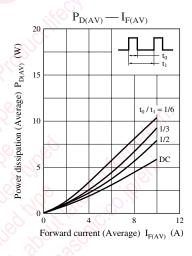


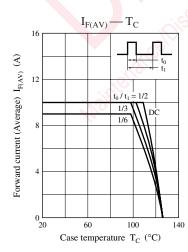












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