MA3U755

Silicon epitaxial planar type (cathode common)

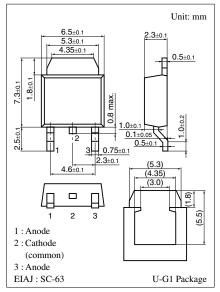
For switching mode power supply

Features

- Surface mounting type
- \bullet Low forward voltage V_{F}
- Cathode-common dual type
- U-type package

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

Parameter	Symbol	Rating	Unit	
Repetitive peak reverse-voltage	V _{RRM}	60	V	
Average forward current	I _{F(AV)}	5	А	
Non-repetitive peak forward- surge-current *	I _{FSM}	40	А	
Junction temperature	Tj	-40 to +125	°C	
Storage temperature	T _{stg}	-40 to +125	°C	



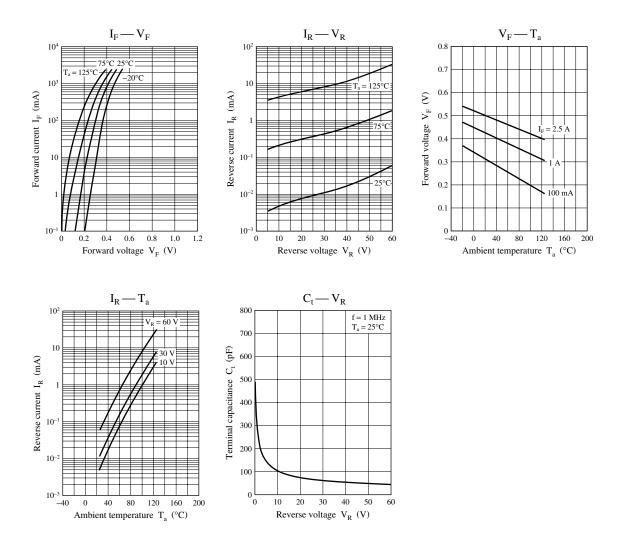
Note) *: Half sine wave; 10 ms/cycle

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 60 V, T_C = 25^{\circ}C$			1.0	mA
Forward voltage (DC)	V _F	$I_F = 2.5 \text{ A}, T_C = 25^{\circ}\text{C}$			0.58	V
High voltage rectification *	R _{th(j-c)}	Smoothed current			12.5	°C/W

Note) 1. Rated input/output frequency: 1 GHz

2. *: $T_C = 25^{\circ}C$



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