MA3U760

Silicon epitaxial planar type (cathode common)

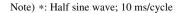
For switching mode power supply

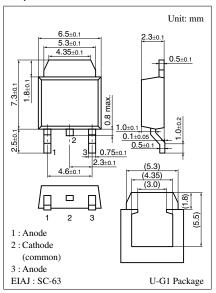
■ Features

- Surface mounting type
- High reverse voltage V_R
- Low forward voltage V_F
- Cathode-common dual type
- U-type package

■ Absolute Maximum Ratings $T_a = 25$ °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}	40	A
Junction temperature	T _j	-40 to +125	°C
Storage temperature	T_{stg}	-40 to +125	°C



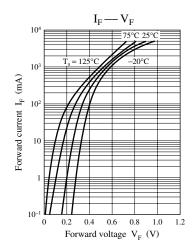


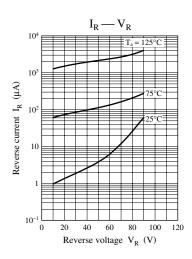
■ Electrical Characteristics $T_a = 25$ °C

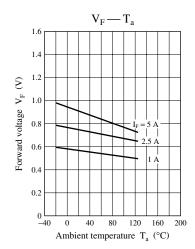
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 90 \text{ V}, T_C = 25^{\circ}\text{C}$			1.0	mA
Forward voltage (DC)	$V_{\rm F}$	$I_F = 2.5 \text{ A}, T_C = 25^{\circ}\text{C}$			0.85	V
High voltage rectification *	R _{th(j-c)}	Between junction and case			12.5	°C/W

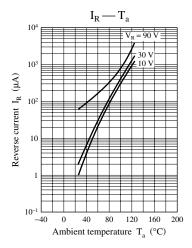
Note) 1. Rated input/output frequency: 1 GHz

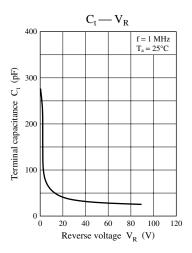
2. *: $T_C = 25^{\circ}C$











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