imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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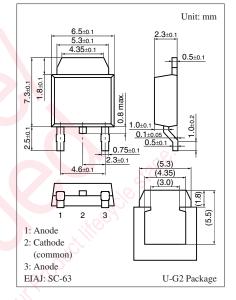
MA3U749

Silicon epitaxial planar type (cathode common)

For switching mode power supply

Features

- \bullet Low forward voltage $V_{\rm F}$
- Cathode-common dual type



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

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V _{RRM}	40	V
Forward current (Average)	I _{F(AV)}	5	A
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 $T_a = 25^{\circ}C \pm 3^{\circ}C$

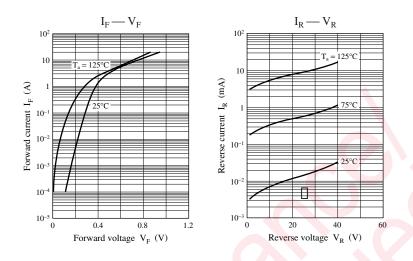
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	VF	$I_F = 2.5 \text{ A}, T_C = 25^{\circ}\text{C}$	$\sim 2^{\circ}$		0.55	V
Reverse current	I _R	$V_{R} = 40 V, T_{C} = 25^{\circ}C$			1.0	mA
Thermal resistace (j-c) *	R _{th(j-c)}	10th all			12.5	°C/W

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

2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

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

Panasonic



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