

MA3U755

Silicon epitaxial planer type (cathode common)

For switching power supply

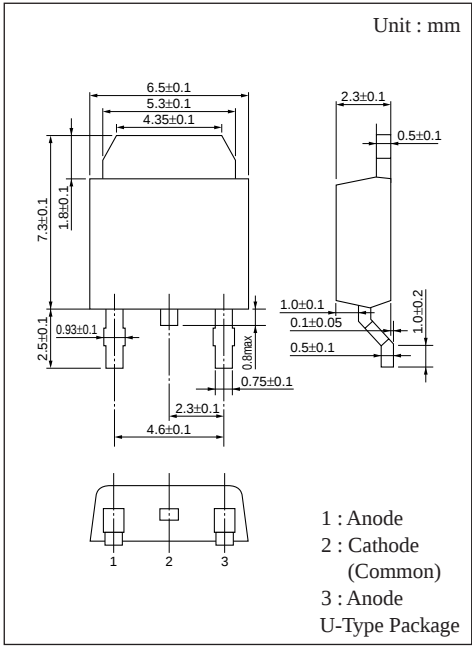
■ Features

- Small U-type package and surface mounting
- Low forward voltage V_F
- Cathode common dual type

■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	60	V
Average forward current	$I_{F(AV)}$	5	mA
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

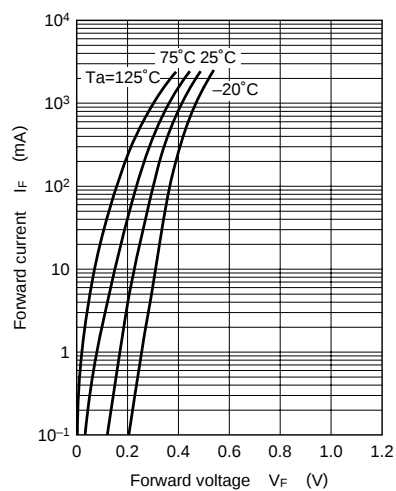
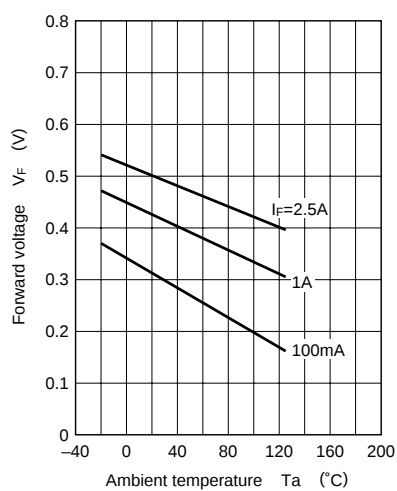
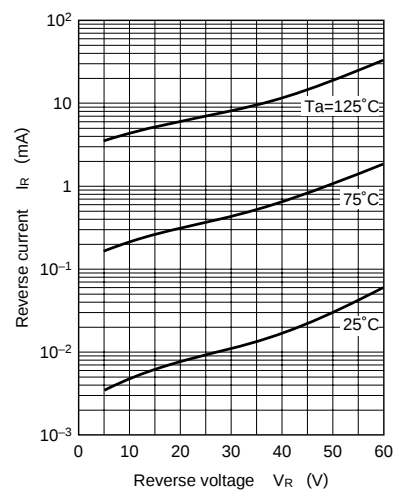
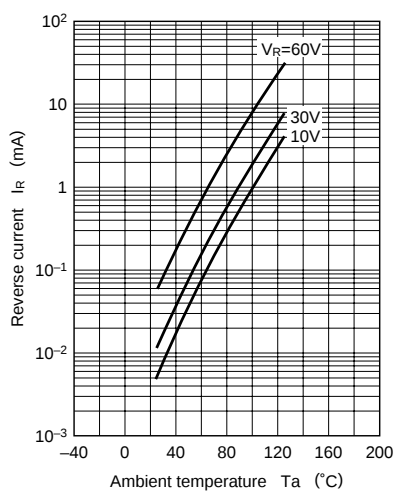
* Sine half wave : 10ms/cycle



■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 60V, T_C = 25^\circ C$			1.0	mA
Forward voltage (DC)	V_F	$I_F = 2.5A, T_C = 25^\circ C$			0.58	V
Thermal resistance	$R_{th(j-c)}^*$	Between junction and case			12.5	°C/W

Note 1. Rated input/output frequency : 1000MHz
2. * $T_C = 25^\circ C$

$I_F - V_F$  $V_F - T_a$  $I_R - V_R$  $I_R - T_a$  $C_t - V_R$ 