

MA156

Silicon epitaxial planer type

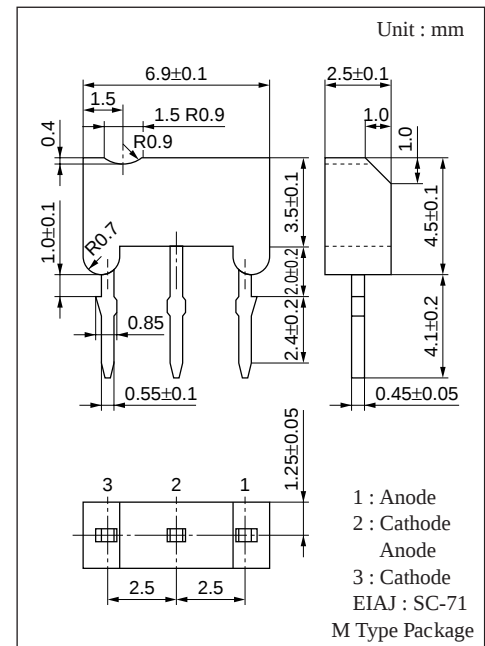
For switching circuits

■ Features

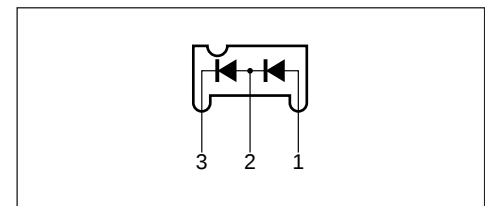
- Series connection of diodes in the package
- M type package for automatic and manual insertion, which can be fixed in a self-standing pattern after insertion in the printed-circuit board

■ Absolute Maximum Ratings (Ta= 25°C)

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	40	V
Repetitive peak reverse voltage	V_{RRM}	40	V
Forward current	I_F	100	mA
Peak forward current	I_{FM}	200	mA
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	– 55 to +150	°C



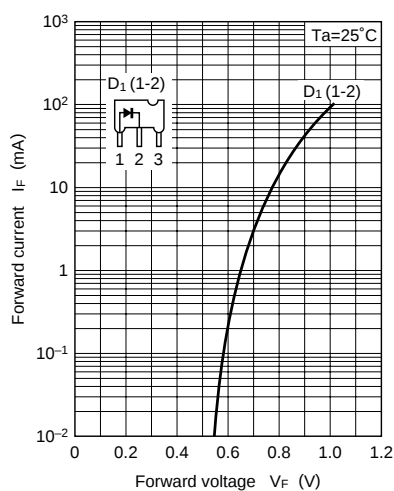
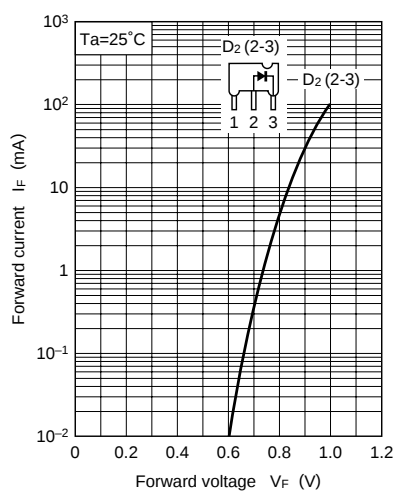
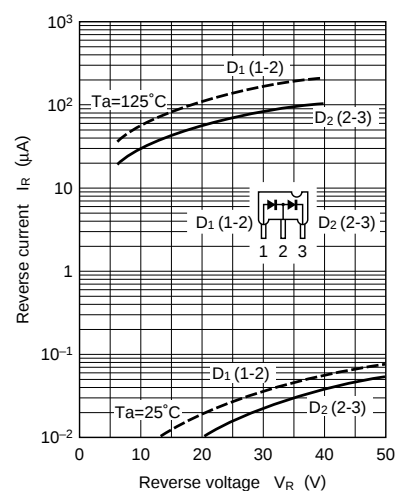
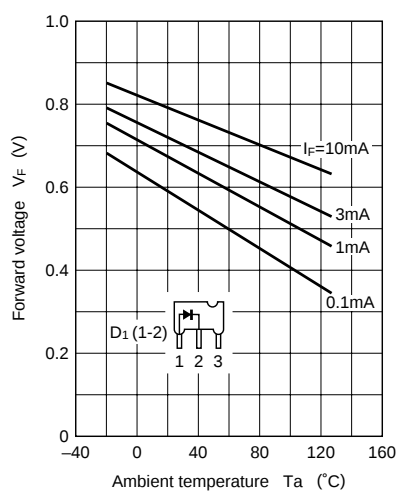
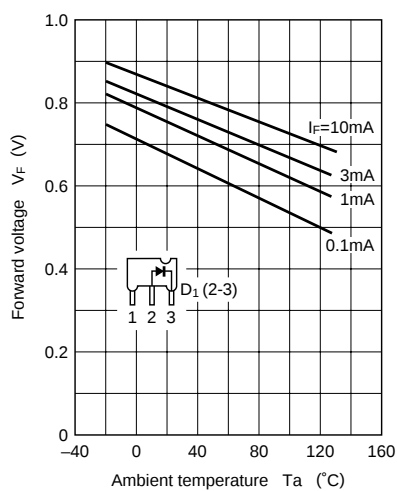
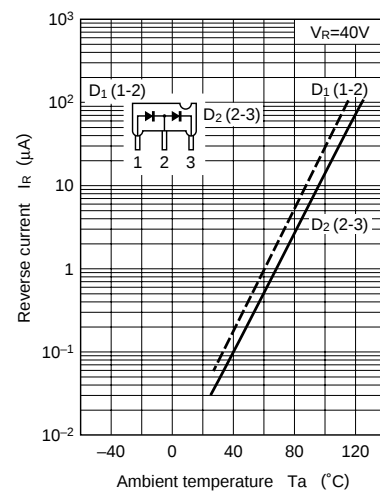
■ Internal Connection



■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 40V$			0.1	μA
Forward voltage (DC)	V_F	$I_F = 100mA$			1.2	V
Reverse voltage (DC)	V_R	$I_R = 100\mu A$	40			V
Terminal capacitance (Single)	C_t	$V_R = 0V, f = 1MHz$			5.0	pF

◆Rated input/output frequency : 100MHz

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