



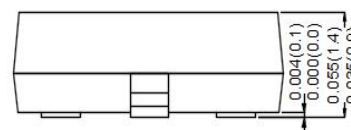
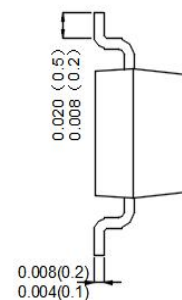
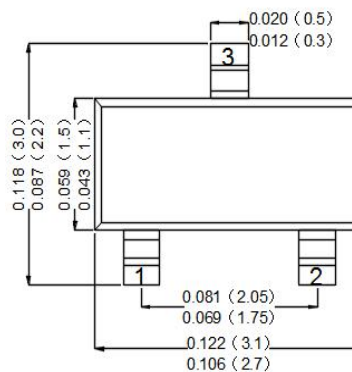
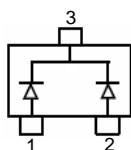
Features

- Low current rectification

SOT-23

Mechanical Data

- Case: Molded Plastic, SOT-23
- Epoxy: UL 94V-0 rate flame retardant
- Terminals: Plated Leads Solderable per MIL-STD-750, Method-2026.
- Marking: YA
- Mounting Position : Any.
- Equivalent Circuit:



Dimensions in inches and (millimeters)

Maximum Ratings Maximum Ratings (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V_{RM}	40	V
Reverse Voltage	V_R	40	V
Average Rectified Forward Current ¹⁾	$I_{F(AV)}$	100	mA
Peak Forward Surge Current (60 Hz 1 Cycle) ¹⁾	I_{FSM}	1	A
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	- 55 to + 125	°C

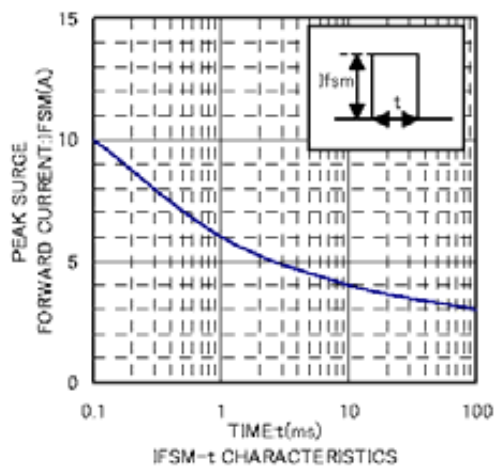
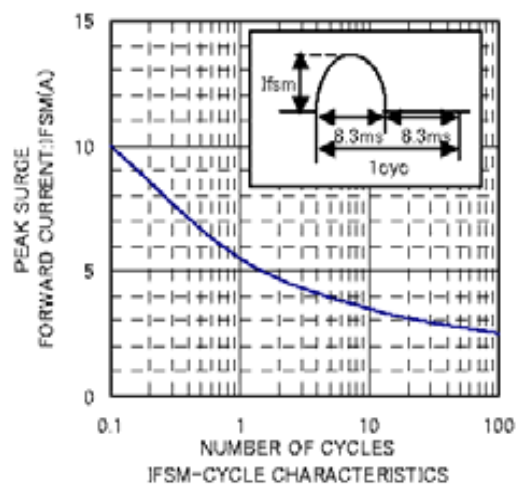
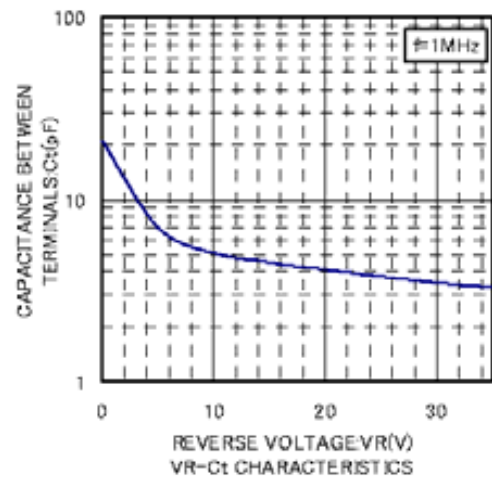
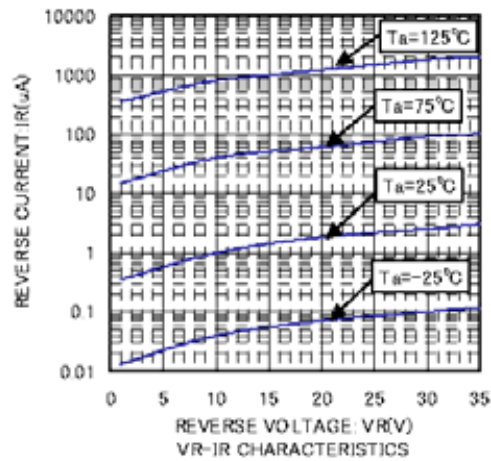
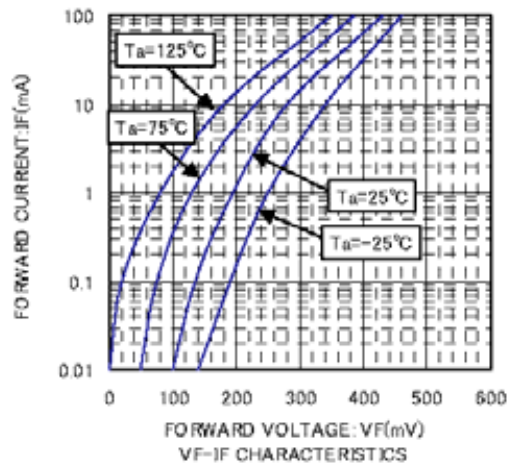
¹⁾ Rating of per diode

Electrical Characteristics (Rating at 25°C ambient temperature unless otherwise specified.)

Parameter	Symbol	Typ.	Max.	Unit
Forward Voltage at $I_F = 10$ mA at $I_F = 100$ mA	V_F	- -	0.34 0.55	V
Reverse Current at $V_R = 10$ V	I_R	-	30	μA
Capacitance between Terminals at $V_R = 10$ V, $f = 1$ MHz	C_t	6	-	pF



Rating And Characteristic Curves





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