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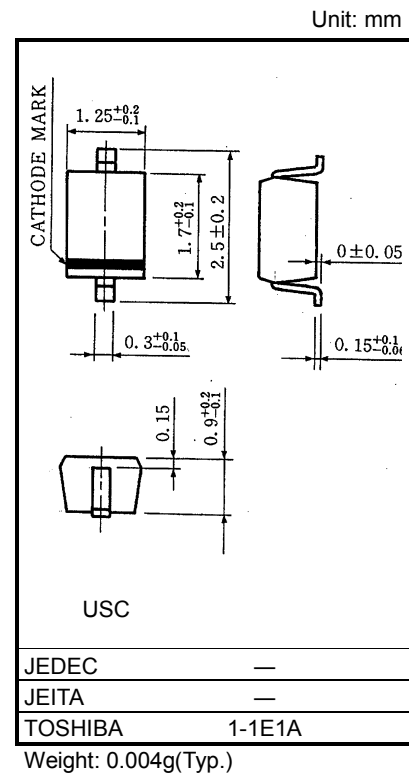
High Speed Switching Application

- Low forward voltage : $V_F(3) = 0.50V$ (typ.)
- Low reverse current : $I_R = 0.5\mu A$ (max)
- Small total capacitance : $C_T = 3.9pF$ (typ.)

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse Voltage	V_{RM}	25	V
Reverse voltage	V_R	20	V
Maximum (peak) forward current	I_{FM}	100	mA
Average forward current	I_O	50	mA
Surge current (10ms)	I_{FSM}	1	A
Power dissipation	P^*	200	mW
Junction temperature	T_j	125	°C
Storage temperature range	T_{stg}	-55~125	°C

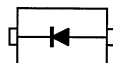
*: Mounted on a glass epoxy circuit board of 20 × 20 mm, pad dimension of 4 × 4 mm.



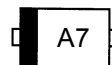
Electrical Characteristics (Ta = 25°C)

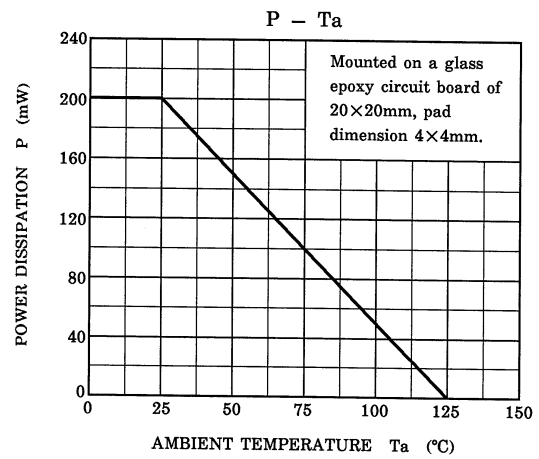
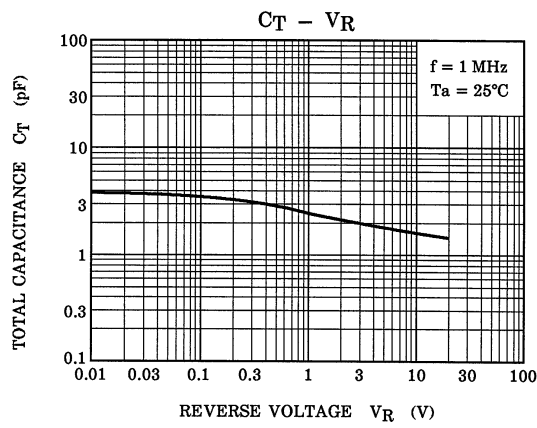
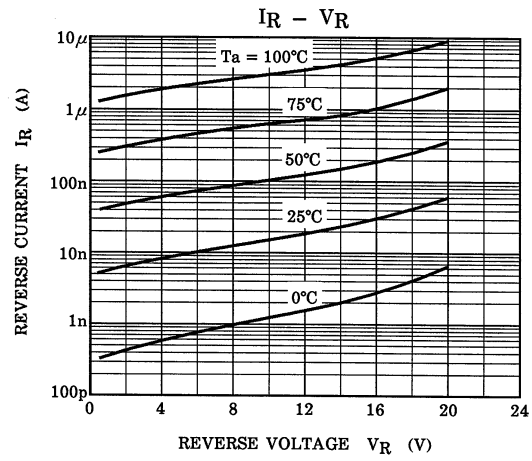
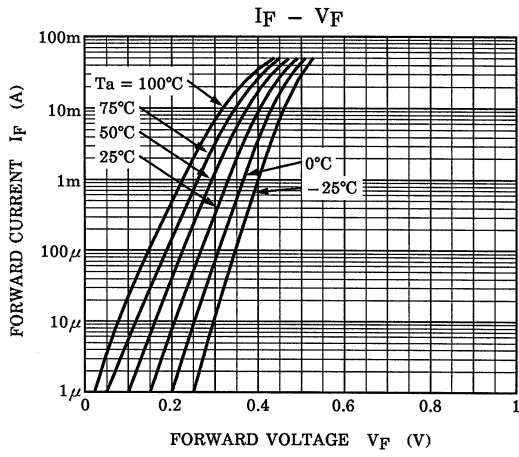
Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Forward voltage	$V_F(1)$	—	$I_F = 1mA$	—	0.33	—	V
	$V_F(2)$	—	$I_F = 5mA$	—	0.38	—	
	$V_F(3)$	—	$I_F = 50mA$	—	0.50	0.55	
Reverse current	I_R	—	$V_R = 20V$	—	—	0.5	μA
Total capacitance	C_T	—	$V_R = 0, f = 1MHz$	—	3.9	—	pF

Equivalent Circuit (Top View)



Marking





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