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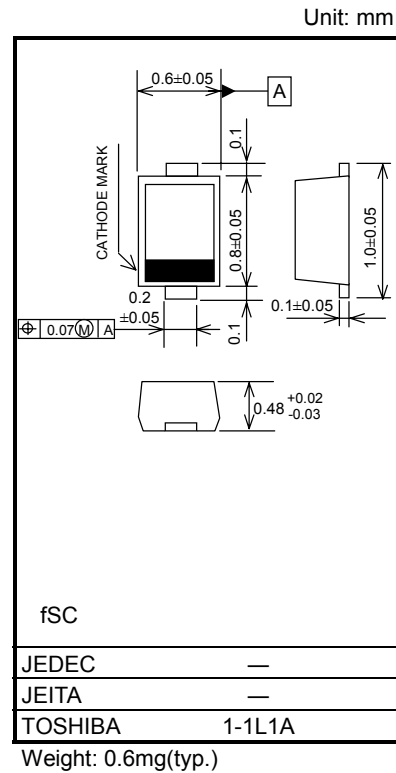
High Speed Switching Application

- Small package
- Low forward voltage: $V_F = 0.23V$ (typ.) @ $I_F = 5mA$

Maximum Ratings ($T_a = 25^\circ C$)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	35	V
Reverse voltage	V_R	30	V
Maximum (peak) forward current	I_{FM}	200	mA
Average forward current	I_O	100	mA
Surge current (10ms)	I_{FSM}	1	A
Power dissipation	P^*	100	mW
Junction temperature	T_j	125	$^\circ C$
Storage temperature range	T_{stg}	-55~125	$^\circ C$
Operating temperature range	T_{opr}	-40~100	$^\circ C$

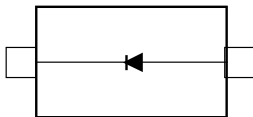
*: Mounted on a glass epoxy circuit board of $20 \times 20mm$, pad dimension of $4 \times 4mm$.



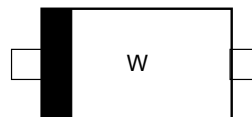
Electrical Characteristics ($T_a = 25^\circ C$)

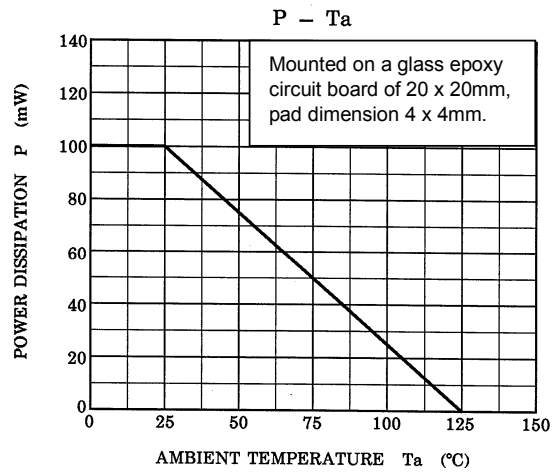
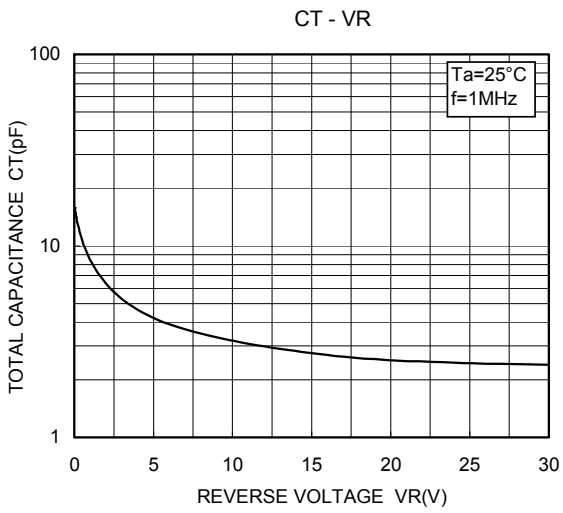
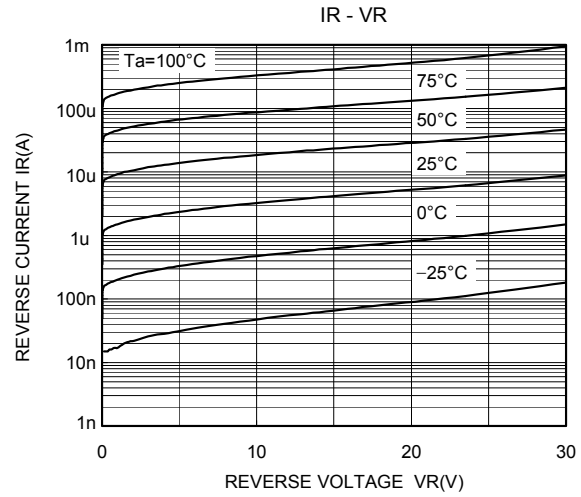
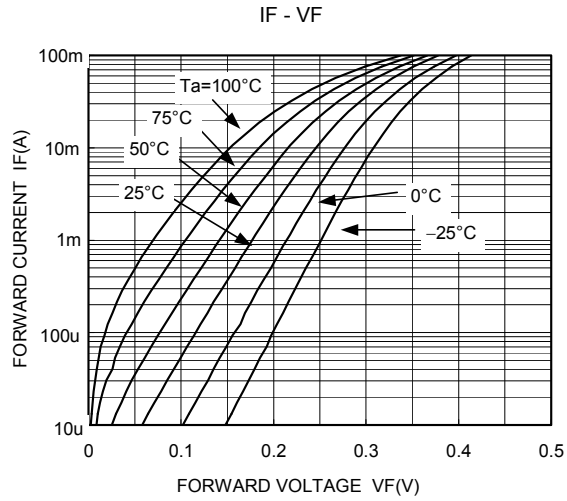
Characteristic	Symbol	Test Circuit	Test Condition	Min	Typ.	Max	Unit
Forward voltage	$V_F (1)$	—	$I_F = 1mA$	—	0.18	—	V
	$V_F (2)$	—	$I_F = 5mA$	—	0.23	—	
	$V_F (3)$	—	$I_F = 100mA$	—	0.38	0.50	
Reverse current	$I_{R(1)}$	—	$V_R = 10V$	—	—	20	μA
	$I_{R(2)}$	—	$V_R = 30V$	—	—	50	
Total capacitance	CT	—	$V_R = 0, f = 1MHz$	—	15	—	pF

Equivalent Circuit (Top View)



Marking





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