TOSHIBA Diode Silicon Epitaxial Schottky Barrier Type

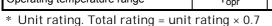
1SS395

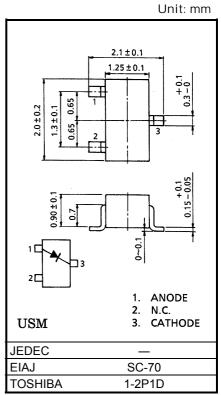
High Speed Switching Application

- Small package
- Low forward voltage: VF (2) = 0.23V (typ.) @IF = 5mA

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit	
Maximum (peak) reverse Voltage	V _{RM}	15	V	
Reverse voltage	V _R	10	V	
Maximum (peak) forward current	I _{FM}	200	mA	
Average forward current	Ι _Ο	100	mA	
Surge current (10ms)	I _{FSM}	1	А	
Power dissipation	Р	100	mW	
Junction temperature	Tj	125	°C	
Storage temperature range	T _{stg}	-55~125	°C	
Operating temperature range	T _{opr}	-40~100	°C	



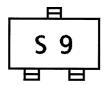


Weight: 0.006g

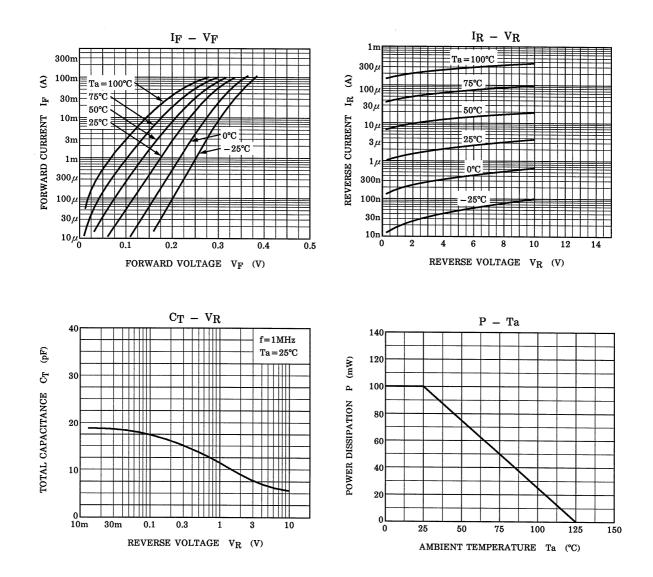
Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _{F (1)}	_	I _F = 1mA	_	0.18	_	
	V _{F (2)}	_	I _F = 5mA		0.23	0.30	V
	V _{F (3)}	_	I _F = 100mA		0.35	0.50	
Reverse current	I _R	-	V _R = 10V	-	-	20	μA
Total capacitance	CT	—	V _R = 0, f = 1MH _z		20	40	pF

Marking



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