TOSHIBA Diode Silicon Epitaxial Planar Type

1SS379

General Purpose Rectifier Applications

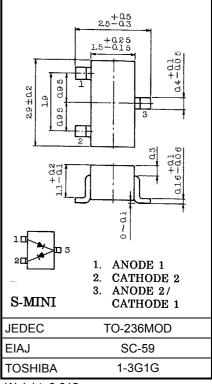
• Small package : SC-59

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse Voltage	V_{RM}	85	V
Reverse voltage	V _R	80	V
Maximum (peak) forward current	I _{FM}	300 *	mA
Average forward current	I _O	100 *	mA
Surge current (10ms)	I _{FSM}	2 *	Α
Power dissipation	Р	150	mW
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	-55~125	°C

^{*:} Unit rating. Total rating = unit rating × 0.7

Unit in mm



Weight: 0.012g

Electrical Characteristics (Ta = 25°C)

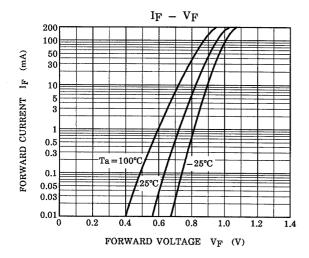
Characteristic	Symbol	Test Circuit	Test Condition	Min.	Тур.	Max.	Unit
Forward voltage	V_{F}	_	I _F = 100mA	_	1.0	1.3	V
Reverse current	I _R	_	V _R = 80V	_	0.1	10	nA
Total capacitance	C _T	_	$V_R = 0$, $f = 1MH_z$	_	3.0	6.0	pF

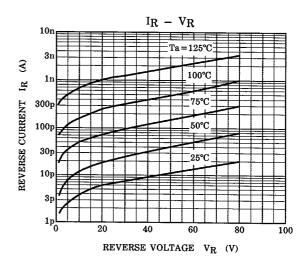
Equivalent Circuit (Top View)

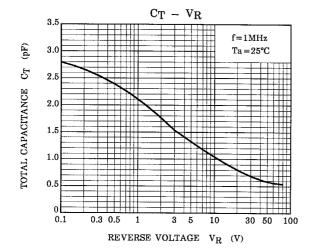


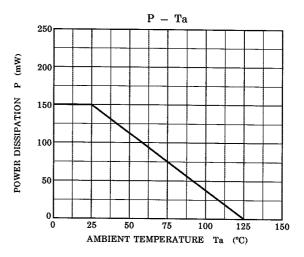
Marking











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