TENTATIVE

TOSHIBA Diode Silicon Epitaxial Schottoky Barrier Type

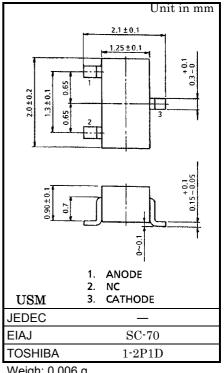
1SS401

High Speed Switching Applications

Low forward voltage $V_{F(3)} = 0.38 V \text{ (typ.)}$ $I_{R} = 50 \mu A \text{ (max)}$ Low reverse current Small total capacitance : CT = 46 pF (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}	700	mA
Average forward current	Io	300	mA
Power dissipation	Р	100	mW
Junction temperature	Tj	125	°C
Storage temperature range	T _{stg}	-55~125	°C



Weigh: 0.006 g

Electrical Characteristics (Ta = 25°C)

Characteristic	Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Forward voltage	V _{F (1)}	_	I _F = 1mA	-	0.16	_	_
	V _{F (2)}	_	I _F = 10mA	_	0.22	_	V
	V _{F (3)}	_	I _F = 300mA	_	0.38	0.45	
Reverse current	I _R	_	V _R = 20V	_	_	50	μΑ
Total capacitance	C _T	_	V _R = 0, f = 1MHz	_	46	_	pF

Pin Assignment (Top View)



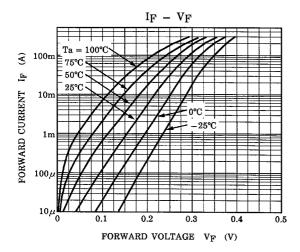
Marking

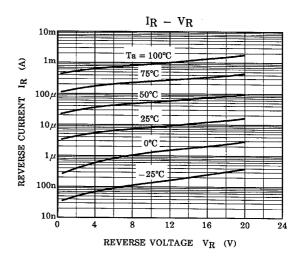


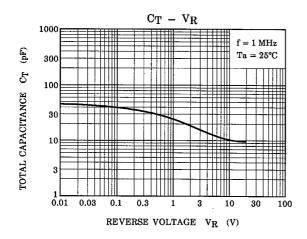
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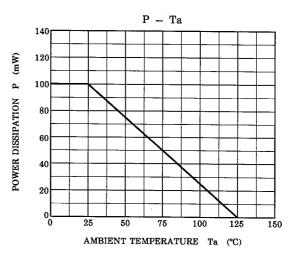
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