Elektronische Bauelemente

SCS388S

Surface Mount Switching Diode

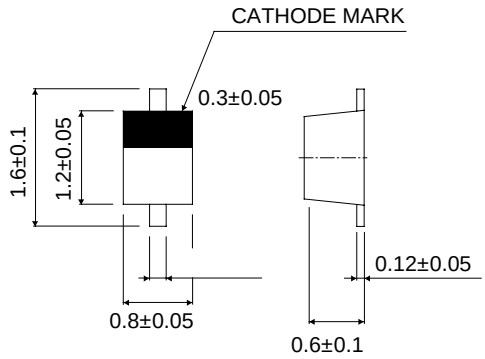
RoHS Compliant Product

A suffix of "-C" specifies halogen & lead-free

FEATURES

- High speed switching
- Low forward voltage

SOD-523



MECHANICAL DATA

- Terminals: Solder Plated, solderable MIL-STD-750
- Polarity: Indicated by Cathode Band
- Mounting Position: Any

Dimensions in millimeters

Marking : S3

Maximum Ratings and Electrical Characteristics @T_A=25℃

Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	45	V
DC reverse voltage	V_R	40	V
Maximum (peak) forward current	I_{FM}	300	mA
Average forward current	I_O	100	mA
Surge current (10ms)	I_{FSM}	1000	mA
Power dissipation	P_D	150	mW
Junction temperature	T_j	125	℃
Storage temperature	T_{stg}	-55-125	℃
Operating temperature range	T_{opr}	-40-100	℃

Electrical Ratings @T_A=25℃

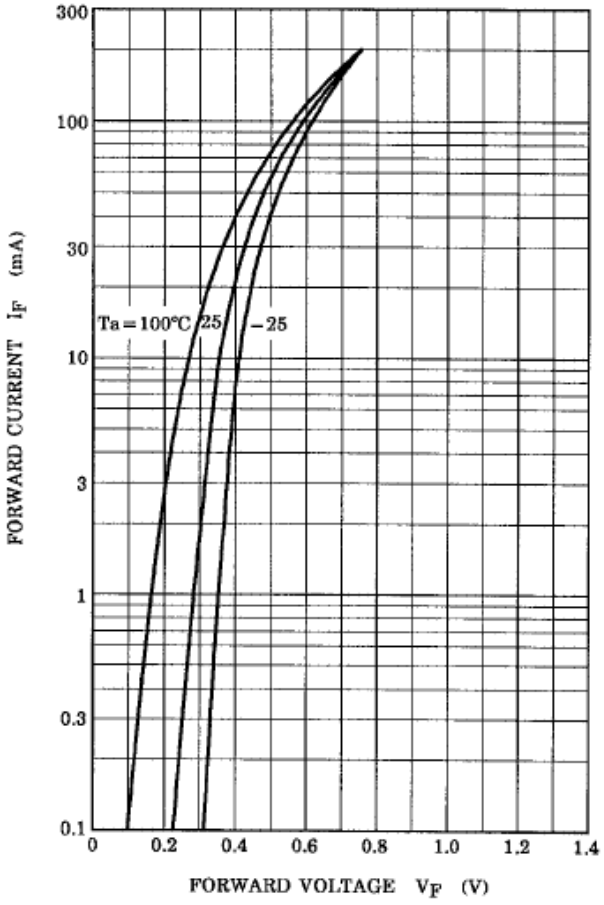
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_{F1}		0.28		V	I_F=1mA
	V_{F2}		0.36		V	I_F=10mA
	V_{F3}		0.54	0.60	V	I_F=50mA
Reverse current	I_R			5	μA	V_R=10V
Total capacitance	C_T		18	25	pF	V_R=0,f=1MHZ

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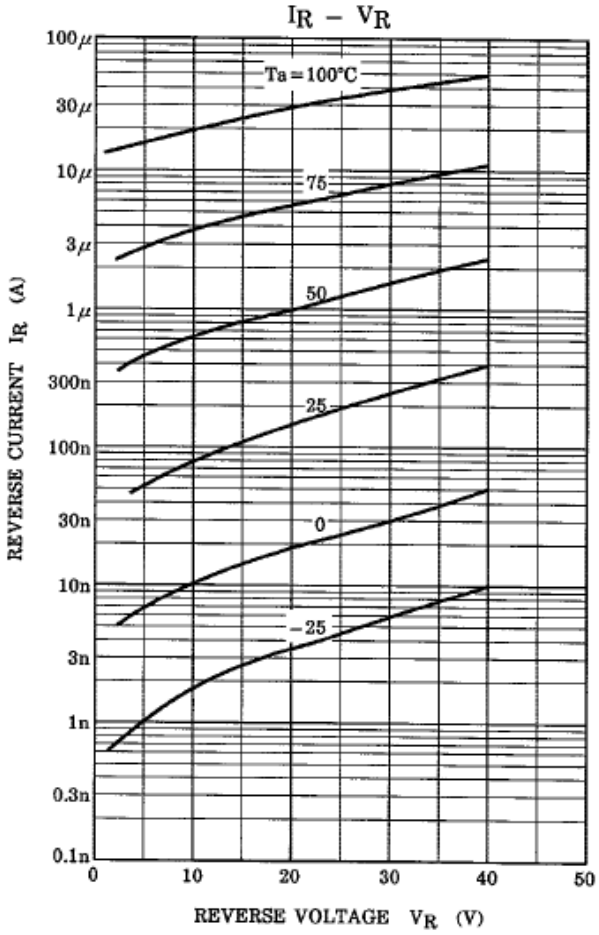
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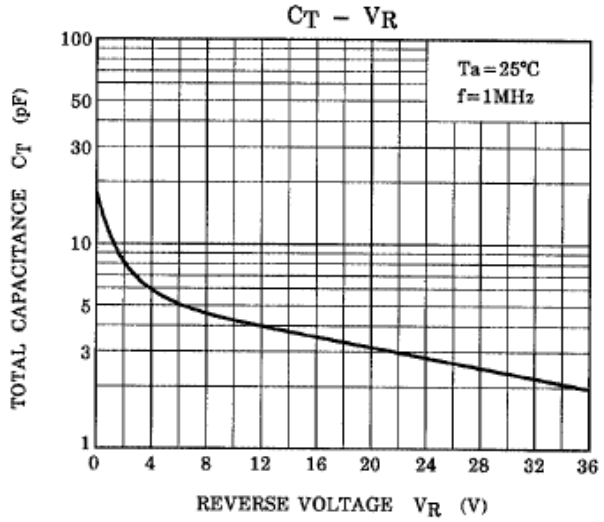
$I_F - V_F$



$I_R - V_R$



$C_T - V_R$



P – Ta

