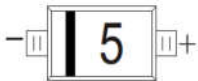


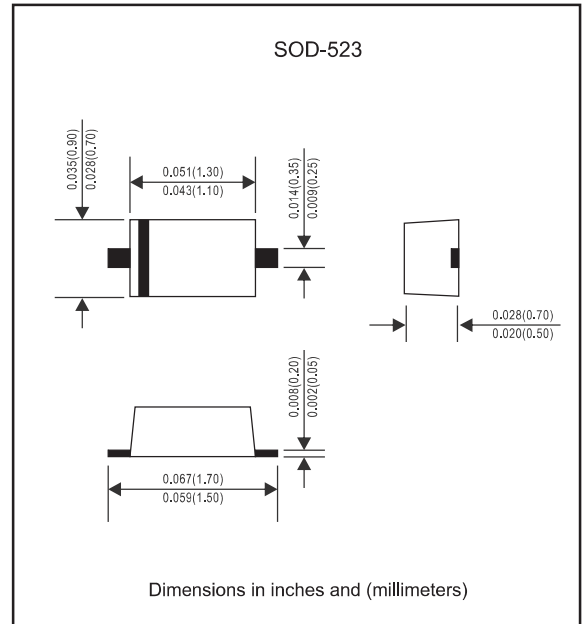
FEATURES

- Small surface mounting type
- Low reverse current and low forward voltage
- High reliability

MARKING: 5



Package outline



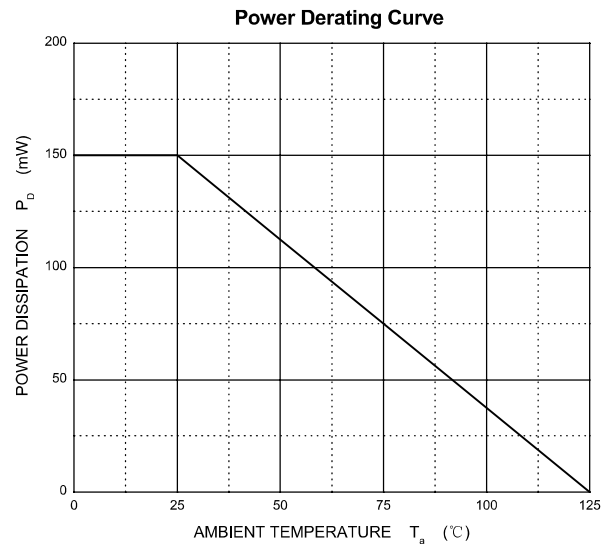
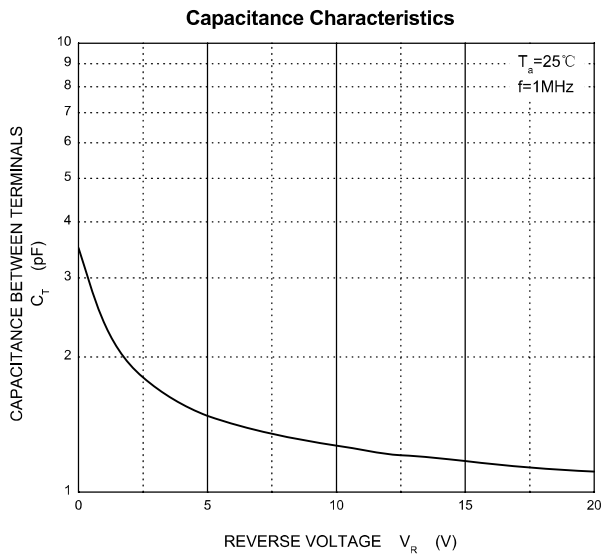
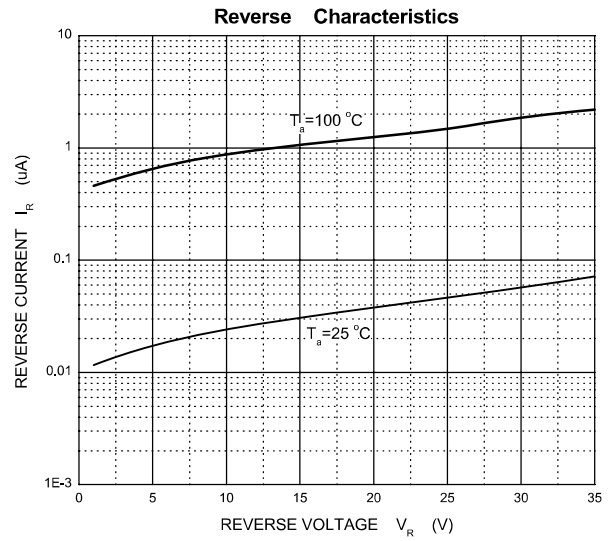
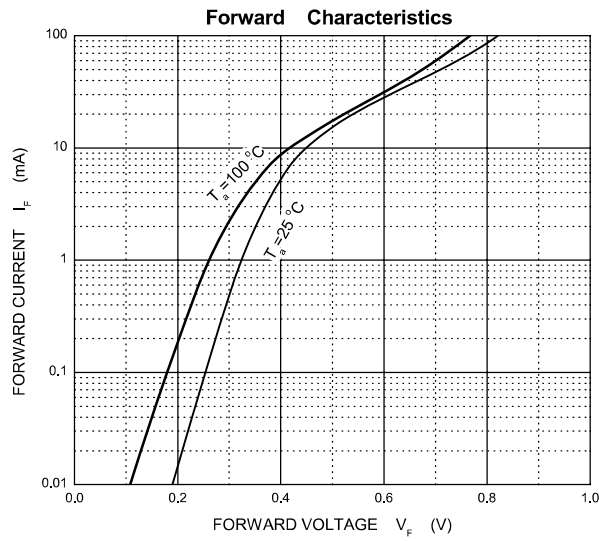
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	40	V
DC reverse voltage	V_R	40	V
Mean rectifying current	I_O	30	mA
Non-repetitive Peak Forward Surge Current@t=8.3ms	I_{FSM}	200	mA
Power dissipation	P_D	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	667	°C/W
Operating Junction Temperature Range	T_j	-40 ~ +125	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Reverse voltage	$V_{(BR)}$	40			V	$I_R=1mA$
Forward voltage	V_F	0.20		0.37	V	$I_F=1mA$
Reverse current	I_R	0.01		0.5	μA	$V_R=30V$
Capacitance between terminals	C_T	0.5	2	10	pF	$V_R=1V, f=1MHZ$

Typical Characteristics



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