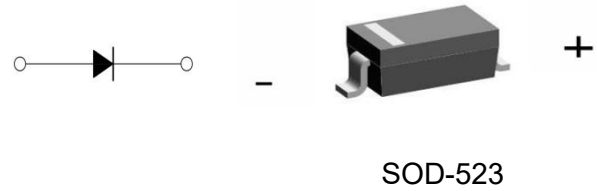


Schottky Barrier Diodes

Parameter	Value	Unit
V_R	30	V
$I_{F(AV)}$	200	mA



Features

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

Absolute Maximum Ratings (Ta=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
DC reverse voltage	V_R	30	V
Maximum average forward rectified current	$I_{F(AV)}$	200	mA
Non-repetitive Peak Forward Surge Current@8.3mS	I_{FSM}	1000	mA
Power Dissipation	P_D	150	mW
Thermal Resistance From Junction To Ambient	$R_{\theta JA}$	667	°C/W
Operation Junction Temperature Range	T_J	-40~+125	°C
Storage Temperature Range	T_{STG}	-55~+150	°C

Electrical Characteristics (Ta=25°C unless otherwise noted)

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage leakage current	I_R	$V_R=10V$			30	μA
Forward voltage	$V_{F(1)}$	$I_F=10mA$			0.35	V
	$V_{F(2)}$	$I_F=200mA$			0.50	V

Typical Characteristics

Fig. 1 - Forward Characteristics

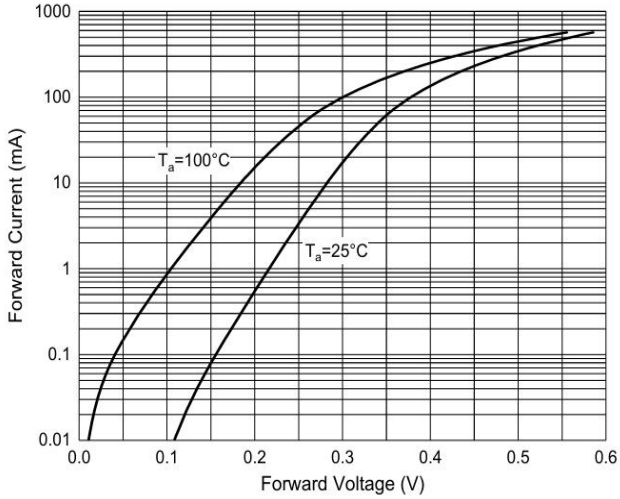


Fig. 2 - Reverse Characteristics

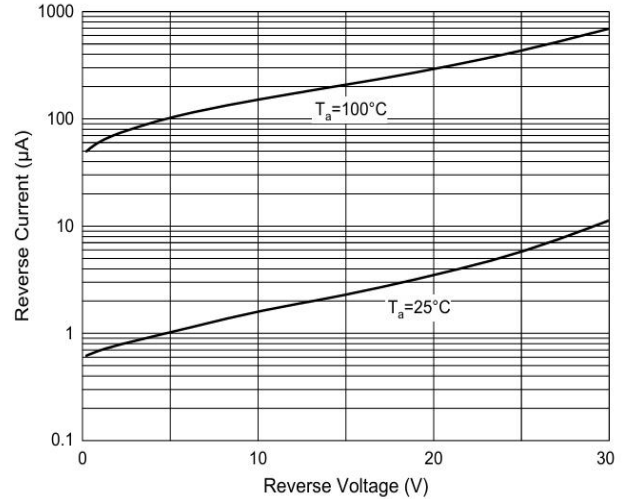


Fig. 3 - Capacitance Characteristics

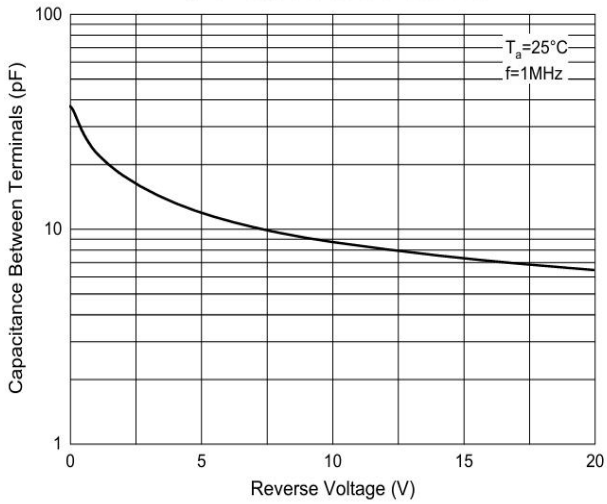
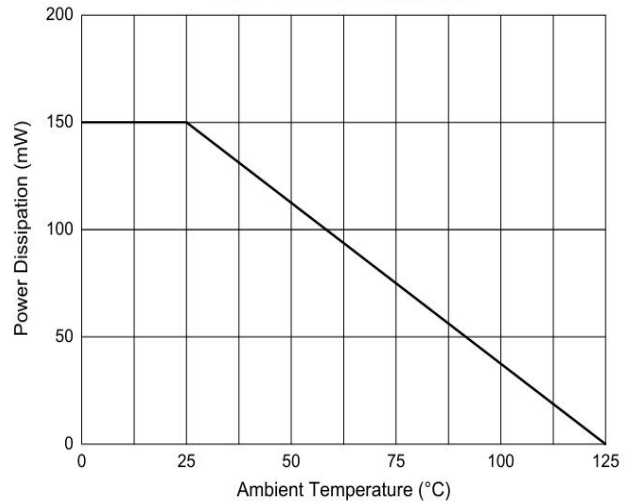


Fig. 4 - Power Derating Curve



package outlines(Units:mm)

	Dimensions				
	Symbol	Millimeters		Inches	
		Min	Max	Min	Max
	A	1.10	1.30	0.043	0.051
B	0.25	0.35	0.010	0.014	
C	1.50	1.70	0.059	0.067	
D	0.50	0.70	0.020	0.027	
E	0.70	0.90	0.027	0.035	
F	0.05	0.20	0.002	0.008	

Suggested Pad Layout

	Dimensions				
	Symbol	Millimeters		Inches	
		Min	Max	Min	Max
	X	0.55	0.65	0.022	0.026
Y	0.65	0.75	0.026	0.029	
Z	1.37	1.47	0.054	0.058	

***Important Usage Information and Disclaimer**

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