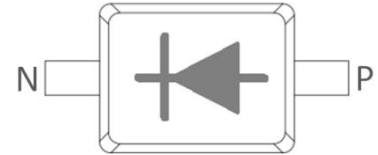


◆ Features

- Small surface mounting type
- Low turn-on voltage.
- Fast Switching And High reliability.



◆ Absolute Maximum Ratings(Ta=25°C)

Symbol	Parameter	Value	Unit
VRM	Peak Reverse Voltage	40	V
VR	DC Reverse Voltage	40	V
I _O	Mean rectifying current	30	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current@8.3mS	200	mA
P _d	Power Dissipation	150	mW
R _{θJA}	Thermal Resistance From Junction To Ambient	667	°C/W
T _J	Operation Junction Temperature Range	-40~+125	°C
T _{STG}	Storage Temperature Range	-55~+150	°C

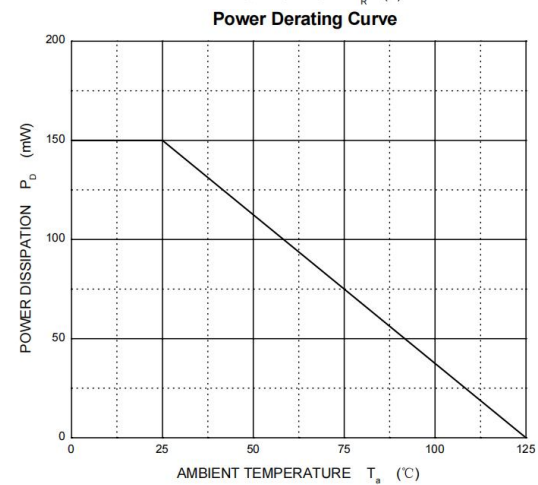
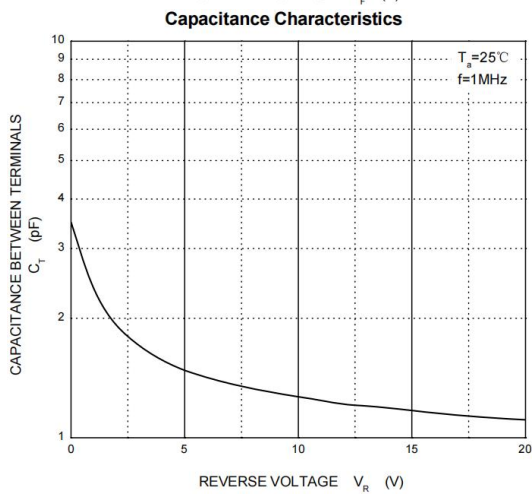
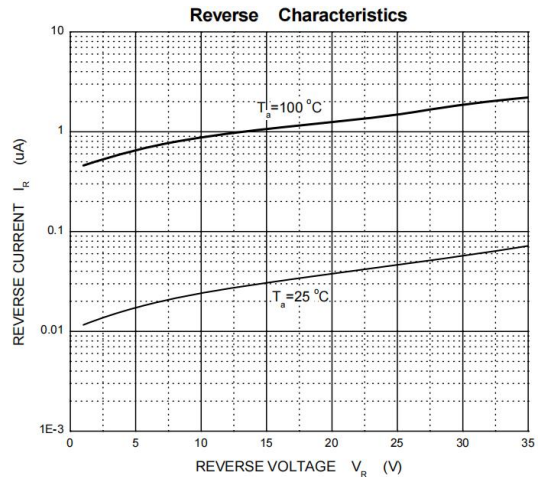
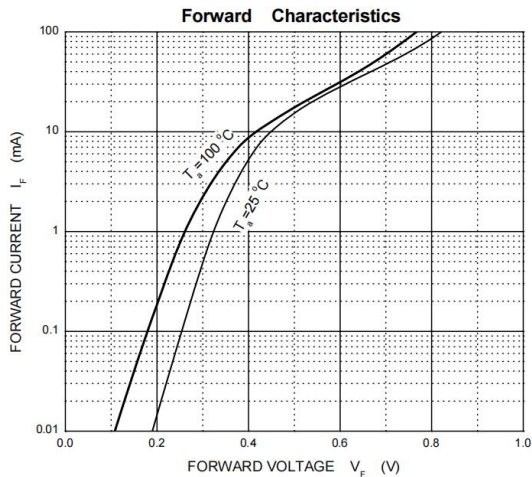
◆ Electrical Characteristics (Ta=25°C unless otherwise specified)

Symbol	Parameter	Test conditions	Min	Typ	Max	Unit
V _(BR)	Reverse breakdown voltage	I _R =1mA	40			V
I _R	Reverse current	V _R =30V	0.01		0.5	μA
V _F	Forward voltage	I _F =1mA	0.20		0.37	V
C _T	Capacitance between terminals	V _R =1V, f=1.0MHz	0.5	2	10	pF

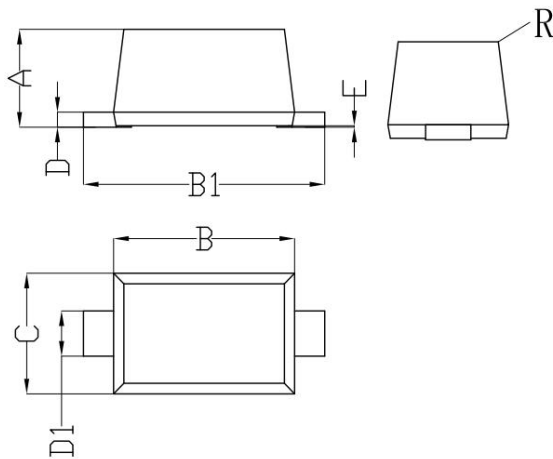
◆ Marking



◆ **Typical Characteristics**



◆ **SOD-523 Package Outline Dimensions**



Symbol	Dim in mm		
	Min	Nom	Max
A	0.600	0.650	0.700
B	1.150	1.200	1.250
B1	1.550	1.600	1.650
C	0.750	0.800	0.850
D	0.100	0.110	0.120
D1	0.280	0.300	0.320
E	0.000	-	0.020
R	0.020	-	0.050

◆ **Packaging SPEC.**

Units				
Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box
3,000	15	45,000	4	180,000
Reel	Dimension (unit: mm ³)			
	Inner Box		Outer Box	
7" ×8	190×190×190		400×400×210	