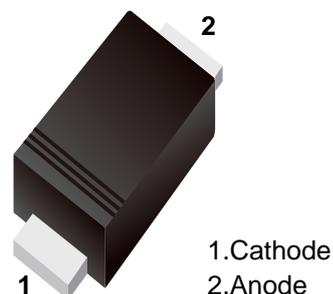


General Purpose Rectifier Applications

■ Features

- Fast Switching Speed
- High reliability



■ Simplified outline(SOD-523)

■ Absolute Maximum Ratings Ta = 25°C

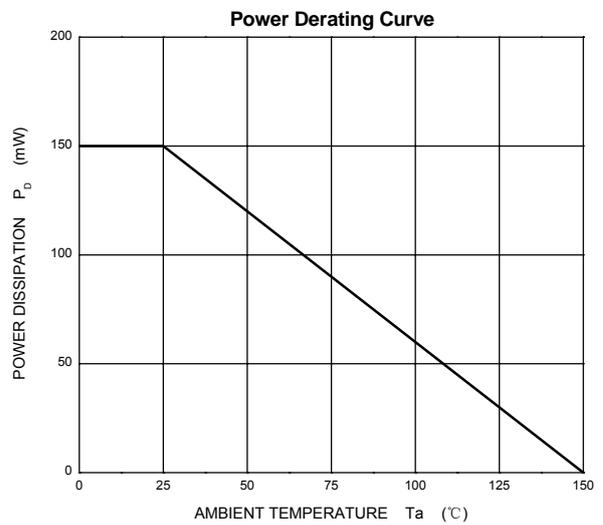
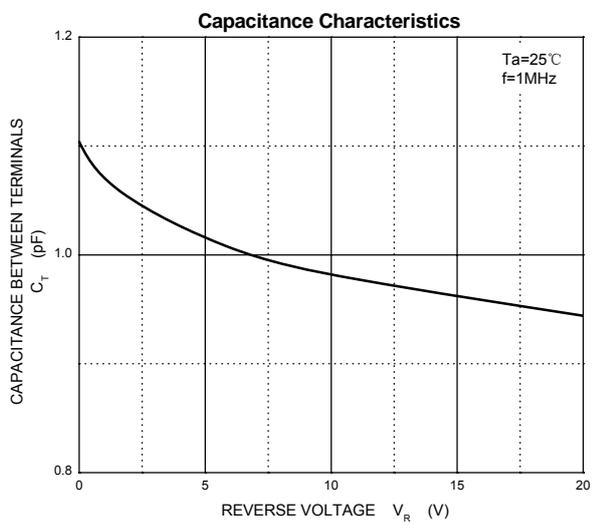
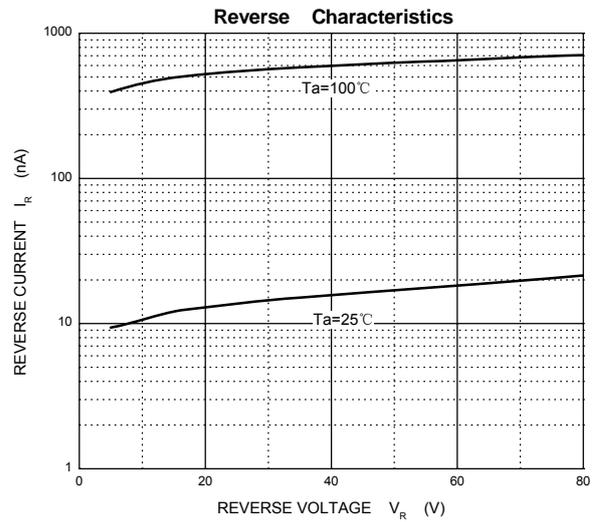
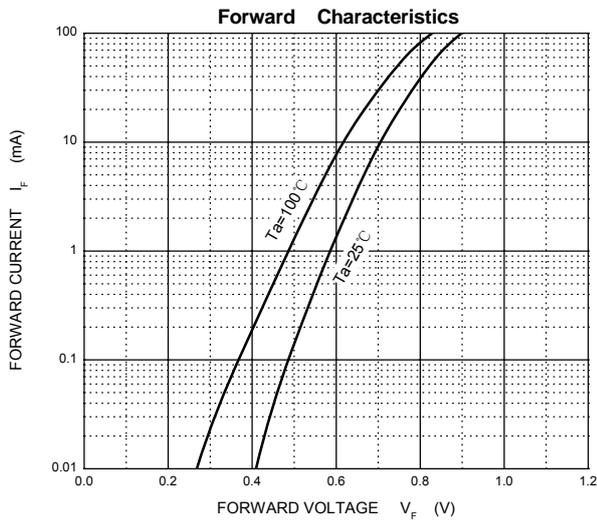
Parameter	Symbol	Rating	Unit
Reverse voltage (Repetitive)	V _{RM}	90	V
Reverse voltage (DC)	V _R	80	
Average rectified forward current	I _o	100	mA
Forward voltage (Repetitive Peak)	I _{FM}	225	
Surge Current(t=1s)	I _{surge}	500	
Junction Temperature	T _J	125	°C
Storage Temperature range	T _{stg}	-55 to 125	

■ Electrical Characteristics Ta = 25°C

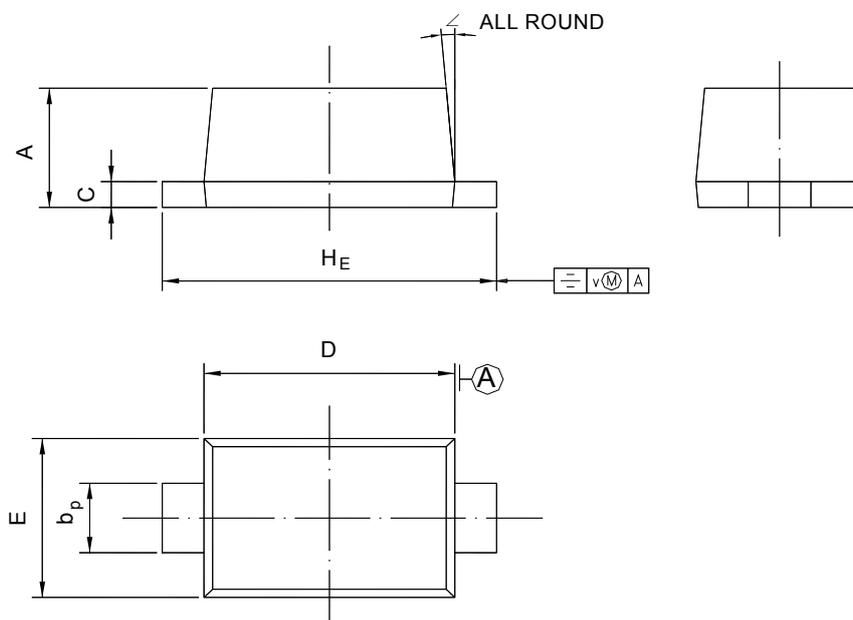
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	V _R	I _R = 100 μ A	90			V
Forward voltage	V _F	I _F = 100 mA			1.2	
Reverse voltage leakage current	I _R	V _R = 80 V			0.1	μ A
Junction capacitance	C _j	V _R = 0.5 V, f= 1 MHz			3	pF
Reverse recovery time	t _{rr}	V _R =6V,I _F =10mA, R _L =100 Ω			4	ns

■ Marking

Marking	A
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■ SOD-523



UNIT	A	b_p	C	D	E	H_E	V	\angle
mm	0.70 0.60	0.4 0.3	0.135 0.100	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°