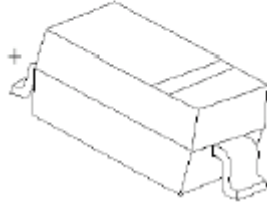


肖特基整流二极管

※ NSD-B5817W~B5819W (SOD-123)

SOD-123



➤ 额定值

Parameter	Symbol	NSD-B5817W	NSD-B5818W	NSD-B5819W	Unit
Non-Repetitive Peak Reverse Voltage	V _{rm}	20	30	40	V
Peak Repetitive Peak Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{rrm} V _{rvwM} V _r	20	30	40	V
RMS Reverse Voltage	V _{r(rms)}	14	21	28	V
Average Rectified Output Current	I _o	1			A
Peak Forward Surge Current @t=8.3ms	I _{fsm}	9			A
Repetitive Peak Forward Current	I _{frm}	1.5			A
Power Dissipation	P _d	500			mW
Thermal Resistance Junction to Ambient	R _{bja}	200			°C/W
Junction temperature	T _j	I ZD -55~+150			°C
Storage Temperature	I Tstg				

➤ 电性能

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	V(BR)	I _r = 1mA NSD-B5817W NSD-B5818W NSD-B5819W	20 30 40		V
Reverse voltage leakage current	I _r	V _r =20V NSD-B5817W V _r =30V NSD-B5818W V _r =40V NSD-B5819W		1	mA
Forward voltage	V _f	NSD-B5817W I _f =1A I _f =3A		0.45 0.75	V
		NSD-B5818W I _f =1A I _f =3A		0.55 0.875	V
		NSD-B5819W I _f =1A I _f =3A		0.6 0.9	V
Diode capacitance	C _d	V _r =4V, f=1MHz		120	pF

➤ 特性曲线

