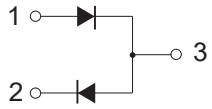
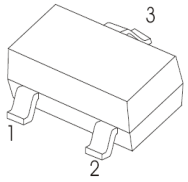
FEATURES

This Switching Diode has The Following Features:

Low Leakage Current Applications



Marking: JY



SOT-23

Maximum Ratings @Ta=25℃

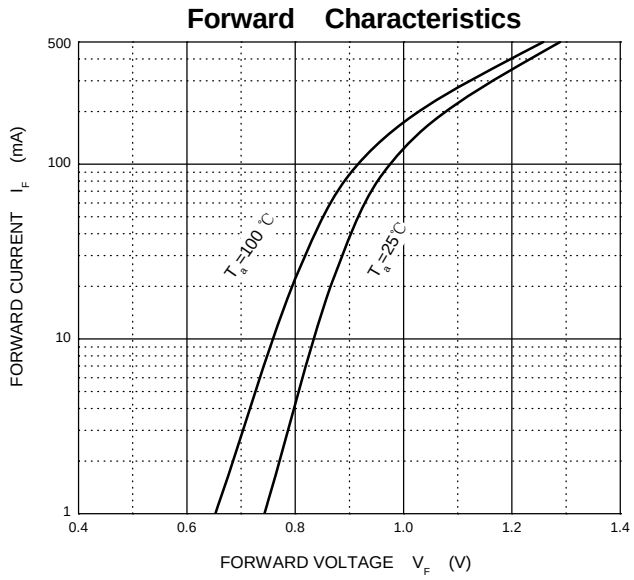
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	70	V
DC Blocking Voltage	V_R	70	V
Forward Continuous Current	I_{FM}	500	mA
Average Rectified Output Current	I_O	215	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	I_{FSM}	1.0	A
Power Dissipation	P_D	200	mW
Junction Temperature	T_J	150	℃
Storage Temperature Range	T_{STG}	-55~+150	℃

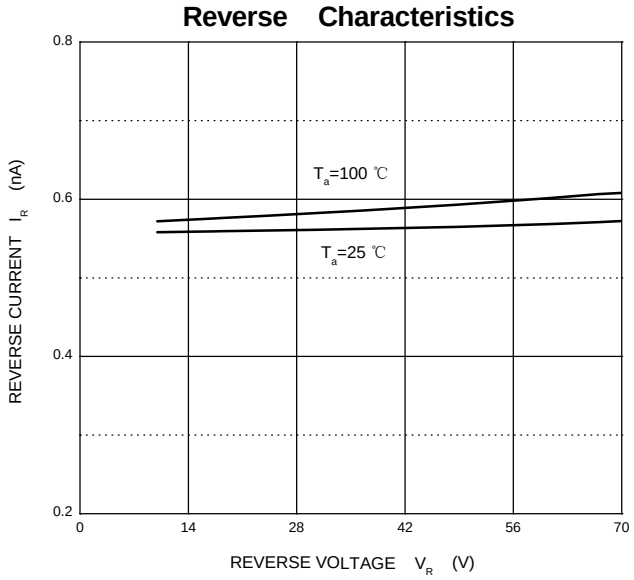
ELECTRICAL CHARACTERISTICS (Ta=25℃ unless otherwise specified)

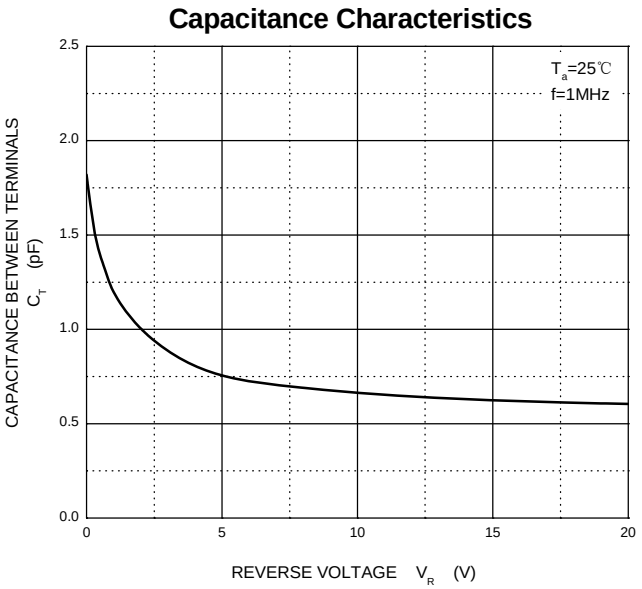
Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	I_R= 100μA	70		V
Reverse voltage leakage current	I_R	V_R=70V		5	nA
Forward voltage	V_F	I_F=1mA I_F=10mA I_F=50mA I_F=150mA		900 1000 1100 1250	mV
Diode capacitance	C_D	V_R=0, f=1MHz		2	pF
Reverse recovery time	t_{rr}	I_F = I_R=10mA		3	μs

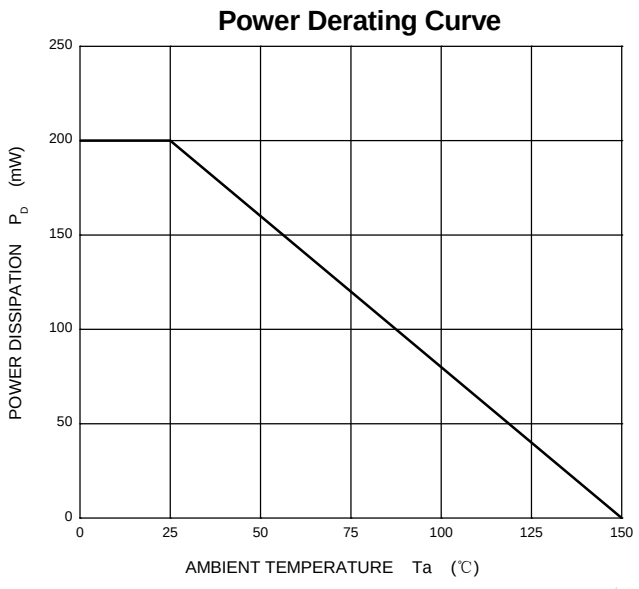
WPMtek

Typical Characteristics





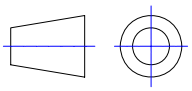


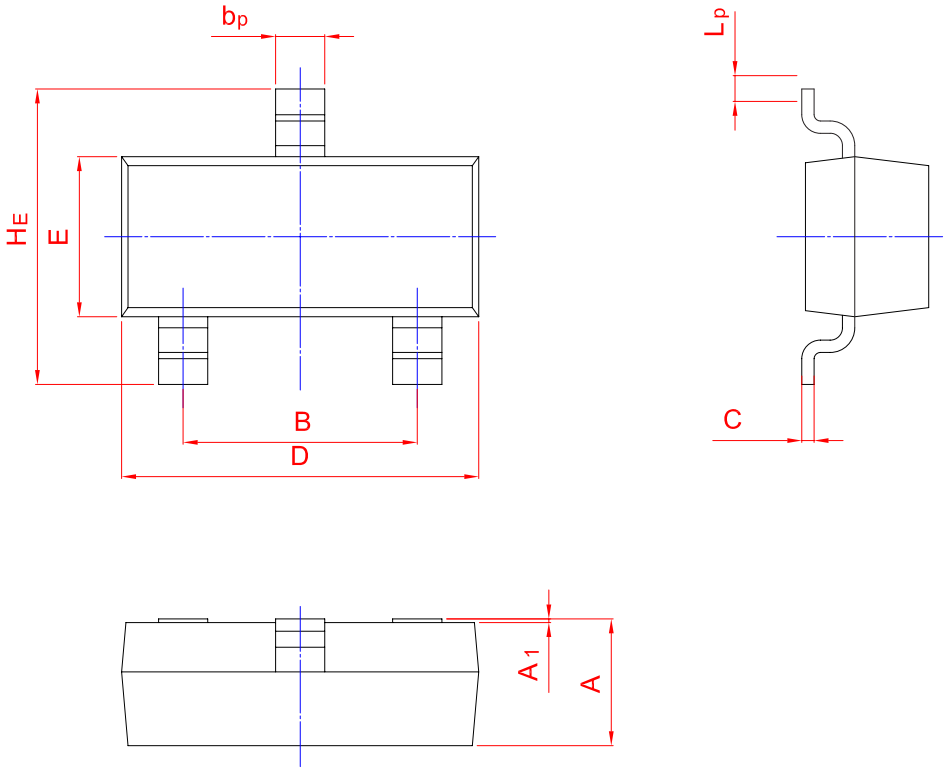


WPMtek

PACKAGE OUTLINE

Plastic surface mounted package; 3 leads **SOT-23**





UNIT	A	B	bp	C	D	E	HE	A1	Lp
mm	1.40 0.95	2.04 1.78	0.50 0.35	0.19 0.08	3.10 2.70	1.65 1.20	3.00 2.20	0.100 0.013	0.50 0.20

WPMtek reserves the right to make changes to the product specification and data in this document without notice. WPMtek makes no warranty, representation or guarantee regarding the suitability of its products for any particu lar purpose, nor does WPMtek assume any liability arising from the application or use of any products or circuits, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages.Any enquiry ,please write to sales@wpmtek.com for futher information.