



SOT-23 Plastic-Encapsulate Diodes

MMBD1501A/1503A/1504A/1505A

FEATURES

Power dissipation

P_D : 350 mW ($T_{amb}=25^{\circ}\text{C}$)

Forward Current

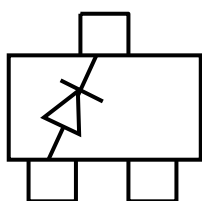
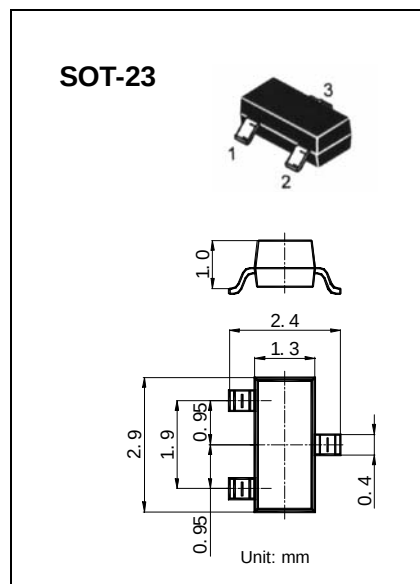
I_F : 600 mA

Reverse Voltage

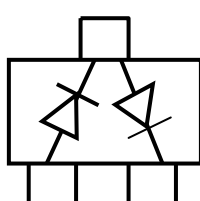
V_R : 200 V ($I_R=5\mu\text{A}$)

Operating and storage junction temperature range

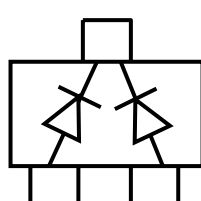
T_J, T_{stg} : -55°C to $+150^{\circ}\text{C}$



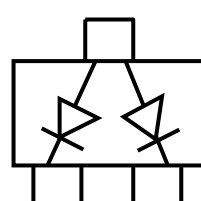
1501A: A11



1503A: A13



1504A: A14



1505A: A15

ELECTRICAL CHARACTERISTICS ($T_{amb}=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT
Reverse breakdown voltage	$V_{(BR)}$	$I_R=5\mu\text{A}$	200		V
Reverse voltage leakage current	I_R	$V_R=180\text{V}$		10	nA
Forward voltage	V_F	$I_F=1\text{mA}$	0.62	0.72	V
		$I_F=10\text{mA}$	0.72	0.83	
		$I_F=50\text{mA}$	0.8	0.95	
		$I_F=100\text{mA}$	0.82	1.1	
		$I_F=200\text{mA}$	0.87	1.3	
		$I_F=300\text{mA}$	0.90	1.5	
Diode capacitance	C_D	$V_R=0, f=1\text{MHz}$		4	pF