



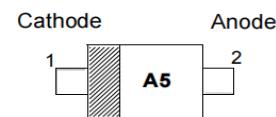
迈拓电子
MAITUO ELECTRONIC

BAP51-03 GENERAL PURPOSE PIN DIODES



FEATURES

- Low diode capacitance
- Low diode forward resistance



MARKING: A5

SOD-323

Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit			Unit
Continuous Reverse Voltage	V _R	50			V
Continuous Forward Current	I _F	50			mA
total power dissipation	P _{tot}	500			mW
Thermal Resistance from Junction to Ambient	R _{θJA}	833			°C/W
Junction Temperature	T _j	-55~+150			°C
Storage Temperature	T _{STG}	-55~+150			°C

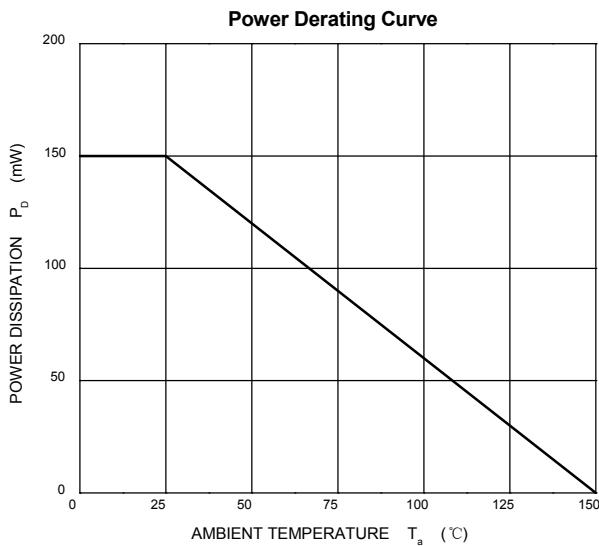
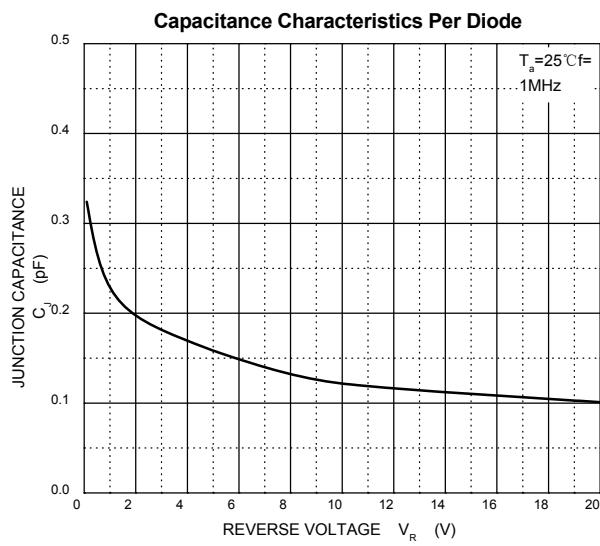
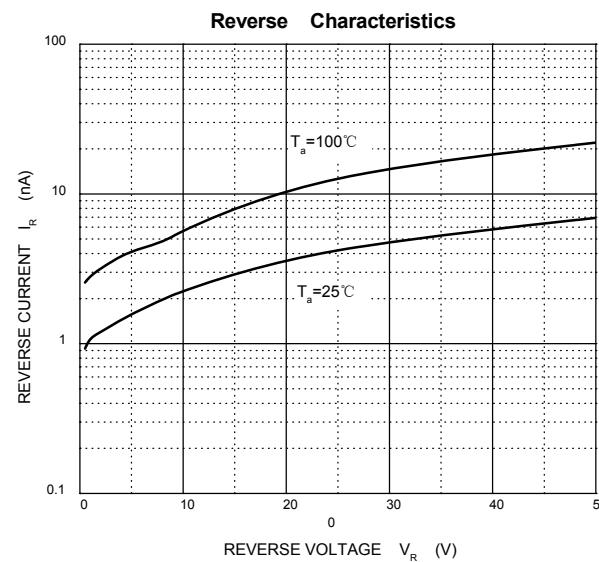
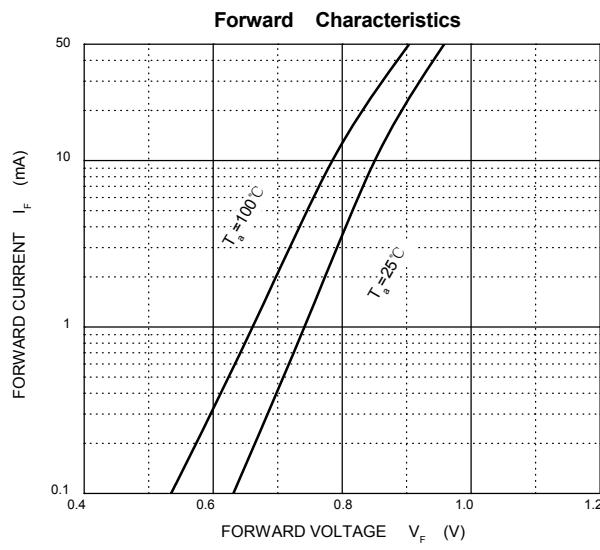
Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Continuous reverse voltage	V _R	50			V	I _R =10µA
Forward voltage	V _F			1.1	V	I _F =50mA
Reverse current	I _R			100	nA	V _R =50V
Diode capacitance	C _{d1}		0.4*		pF	V _R =0V,f=1MHz
	C _{d2}			0.55	pF	V _R =1V,f=1MHz
	C _{d3}			0.35	pF	V _R =5V,f=1MHz
Diode forward resistance	r _D			9	Ω	I _F =0.5mA , f=100MHz;note1
	r _D			6.5	Ω	I _F =1mA , f=100MHz;note1
	r _D			2.5	Ω	I _F =10mA , f=100MHz;note1



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Typical Characteristics





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PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

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