BAS70WS SOD-323

Schottky Diode

Pinning

1.Cathode	2.Anode



Features

- Fast Switching Device
- Low Turn-on Voltage
- PN Junction Guard Ring for Transient and ESD Protection

Mechanical Data

- SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any

BAS70WS **K73**

Maximum Ratings & Thermal Characteristics

(Ratings at 25 ambient temperature unless otherwise specified.)

Parameters	Symbol	Value	Unit
Reverse Voltage	V_R	70	V
Peak Reverse Voltage	V_{RRM}	70	V
Power Dissipation	P_D	200	mW
Operating junction temperature	T_J	-55-+125	
Storage temperature range	T_{STG}	-65-+150	
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	625	K/W
Continuous Forward Current	I_F	70	mA
Non-repetitive Peak Forward Surge Current @tp=1us; TA=25	I_{FSM}	100	mA

Electrical Characteristics

(Ratings at 25 ambient temperature unless otherwise specified).

Parameter	Test Condition	Symbols	Limits			Unit
			Min	Typ	Max	
Reverse Voltage(note 2)	I_R=10uA	V(BR)	70	-	--	V
Reverse Leakage Current	V_R=50V; tp<300us	IR	-	-	30	nA
Forward Voltage	I_F=1.0mA; tp<300us	V_F	-	-	0.41	V
	I_F=15mA; tp<300us		-	-	1.00	
Reverse Recovery Time	I_F=I_R=10mA to I_R=10mA RL=100Ω	T_{RR}	-	-	5	uS
Capacitance	V_R=0V, f=1MHZ	C_T	-	-	2	pF

Notes:

1. Valid provided that electrodes are kept at ambient temperature
2. Test period<3000us

Typical Characteristics

Ordering information

Package	Packing Description	Packing Quantity
SOD-323	Tape/Reel,7”reel	3000PCS/Reel 120000PCS/Carton

Package Dimensions

SOD-323

Dim.