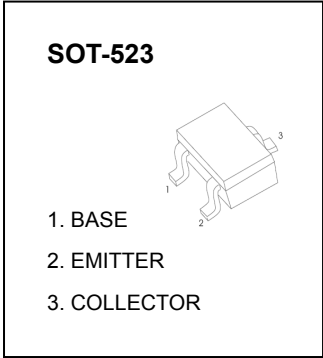
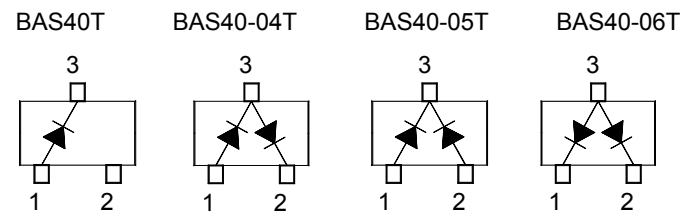


SURFACE MOUNT SCHOTTKY BARRIER DIODE

Features

- Low forward voltage
- Fast switching



BAS40T Marking Code: **43**
BAS40-04T Marking Code: **44**
BAS40-05T Marking Code: **45**
BAS40-06T Marking Code: **46**

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	40	V
DC Blocking Voltage	V _R	40	V
Forward Continuous Current	I _F	200	mA
Peak Forward Surge Current (at tp < 1 s)	I _{FSM}	600	mA
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _S	- 55 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I _F = 1 mA at I _F = 40 mA	V _F	-	380	mV
	V _F	-	1000	mV
Reverse Current at V _R = 30 V	I _R	-	200	nA
Reverse Breakdown Voltage at I _R = 10 μA	V _{(BR)R}	40	-	V
Reverse Recovery Time from I _F = 10 mA through I _R = 10 mA to I _R = 1 mA	t _{rr}	-	5	ns
Total Capacitance at V _R = 0 V, f = 1 MHz	C _T	-	5	pF

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-523

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