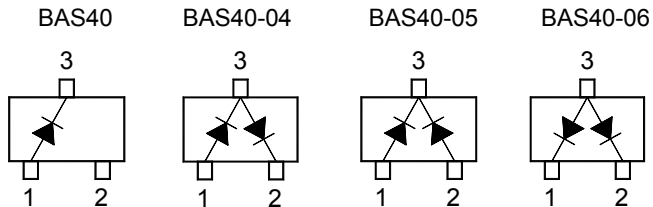
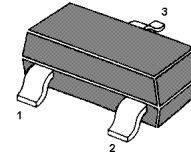


BAS40 / -04 / -05 / -06

Surface Mount Schottky Barrier Diode

Features

- Low forward voltage
- Fast switching



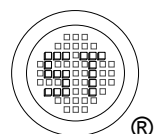
TO-236 Plastic Package
BAS40 Marking Code: **43**
BAS40-04 Marking Code: **44**
BAS40-05 Marking Code: **45**
BAS40-06 Marking Code: **46**

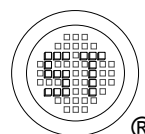
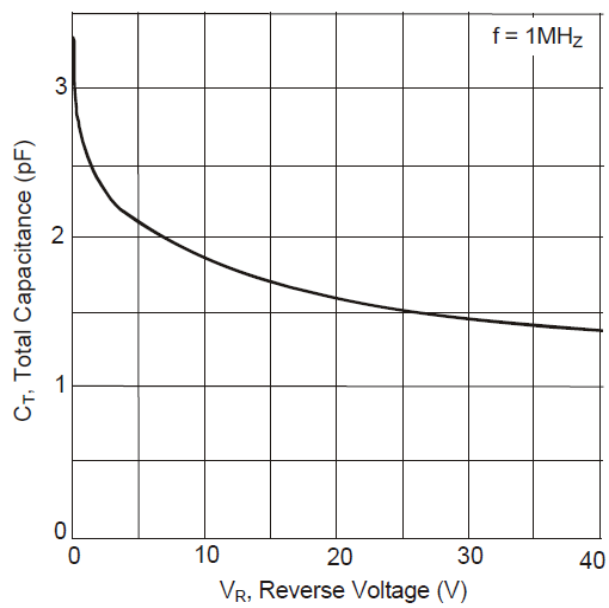
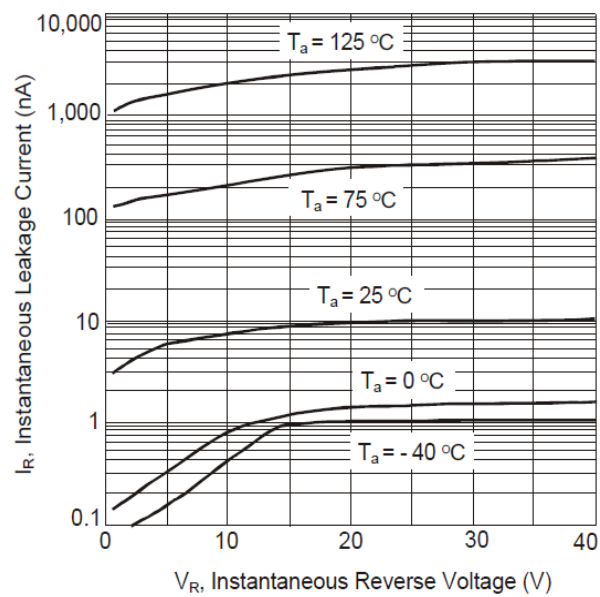
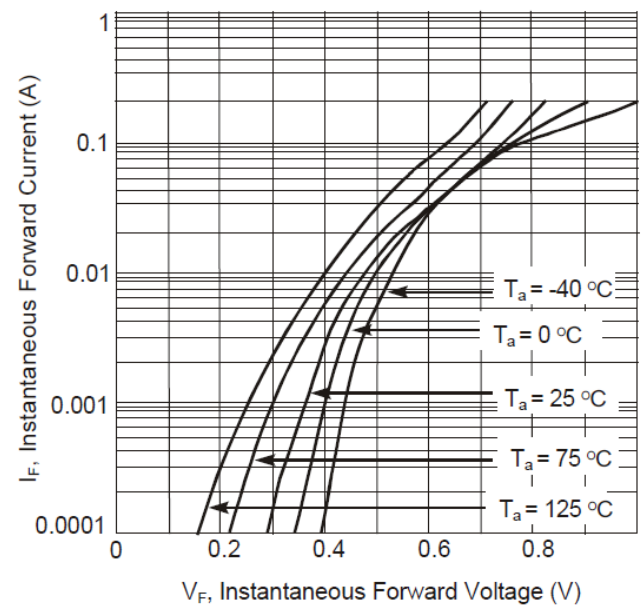
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

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 $t_p < 1$ s)	I_{FSM}	600	mA
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 55 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at $I_F = 1$ mA at $I_F = 40$ mA	V_F V_F	- -	380 1000	mV 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

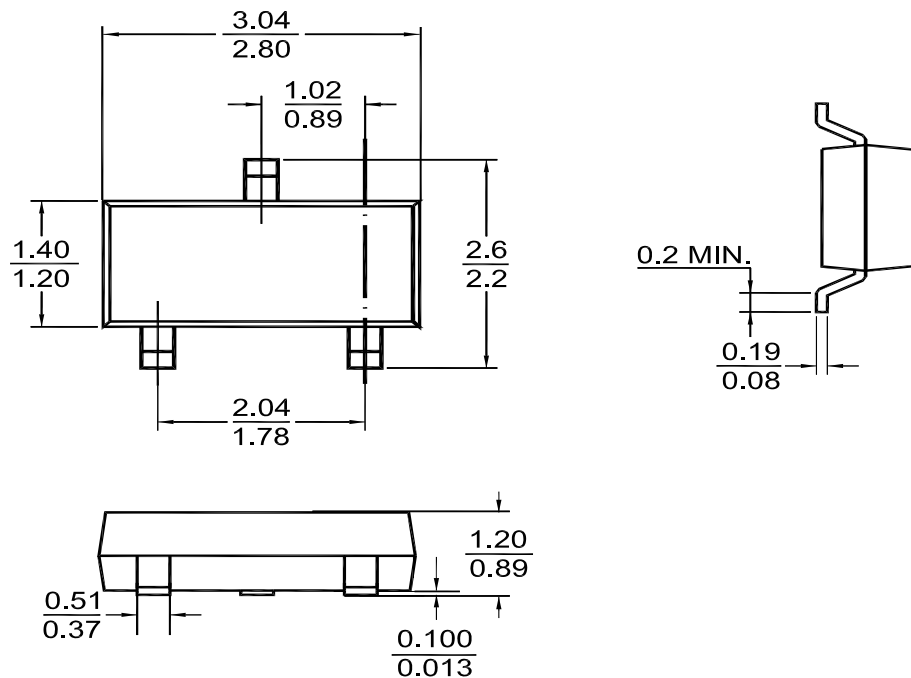




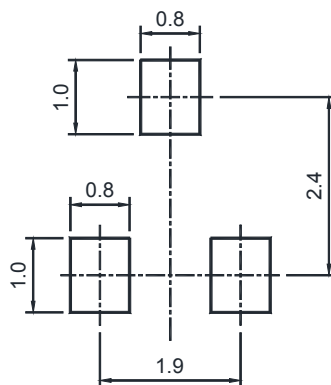
PACKAGE OUTLINE

Plastic surface mounted package (Dimensions in mm)

TO-236



Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
TO-236	8	4 ± 0.1	0.157 ± 0.004	178	7	3,000

