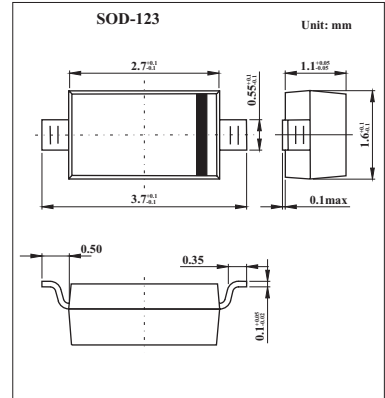


# BAS85W

■ Features

- Low forward voltage



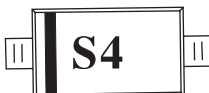
■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Reverse Voltage	VR	30	V
Forward Current	IF	200	mA
Repetitive Peak Forward Current	IFRM	300	mA
Non-Repetitive Peak Forward Surge Current @ t = 10ms	IFSM	600	mA
Power Dissipation	PD	230	mW
Operating and Storage Temperature Range	Tj , TSTG	-65to +150	°C

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Forward Voltage	VF	IF = 0.1mA			240	mV
		IF = 1mA			320	
		IF = 10mA			40	
		IF = 30mA			500	
		IF = 100mA			800	
Reverse Current	IR	VR = 25V			2.3	μ A
Total Capacitance	CT	VR = 1.0, f = 1.0MHz			10	pF

■ Marking Information



# BAS85W

■ Typical Characteristic

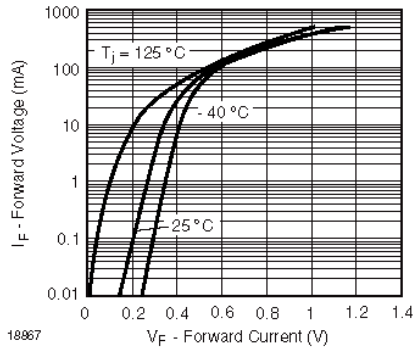


Figure 1. Typical Forward Voltage Forward Current at Various Temperatures

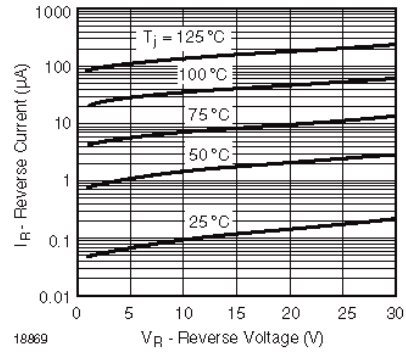


Figure 3. Typical Variation of Reverse Current at Various Temperatures

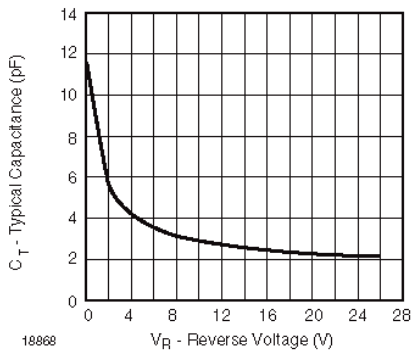


Figure 2. Typical Capacitance °C vs. Reverse Applied Voltage  $V_R$