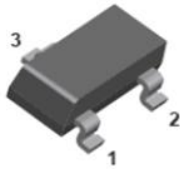
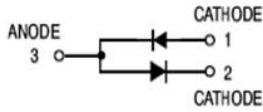


Schottky Diode



SOT-23

Features

- VR 30V
- IFM 200mA

Applications

- Low Forward Voltage Drop

Marking KL4

■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Conditions	Limit
Peak Repetitive Peak Reverse Voltage	VRRM			30
Working Peak Reverse Voltage	VRWM	V		
DC Blocking Voltage	VR			
Forward Continuous Current	IFM	mA		200
Power Dissipation	PD	mW		200
Thermal Resistance Junction to Ambient	RθJA	°C/W		500
Junction temperature	T _j	°C		125

■ Electrical Characteristics (T_a=25°C Unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Reverse Breakdown Voltage	V(BR)	V	IR= 100uA	30		
Forward Voltage	VF1	V	IF=0.1mA			0.24
	VF2		IF=1mA			0.32
	VF3		IF=10mA			0.40
	VF4		IF=30mA			0.50
	VF5		IF=100mA			1.00
Reverse Leakage Current	IR	uA	VR=25V			2
Diode Capacitance	CD	pF	VR=1V,f=1.0MHz			10
Reverse Recovery Time	trr	ns	IF=IR=10mA,Irr=0.1×IR,RL=100 Ω			5

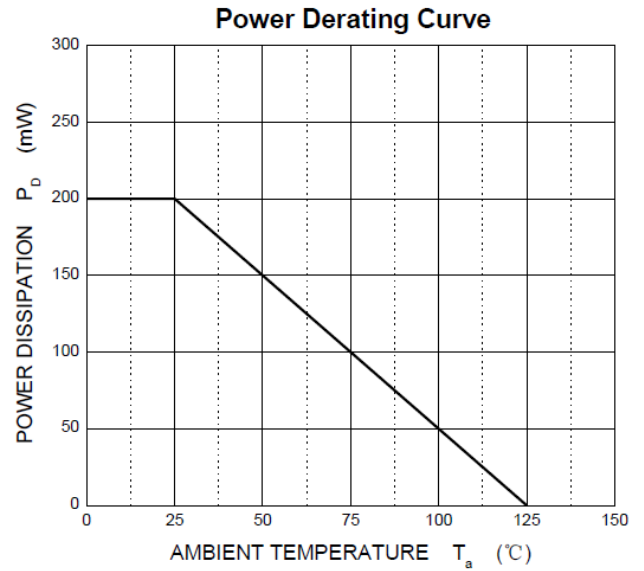
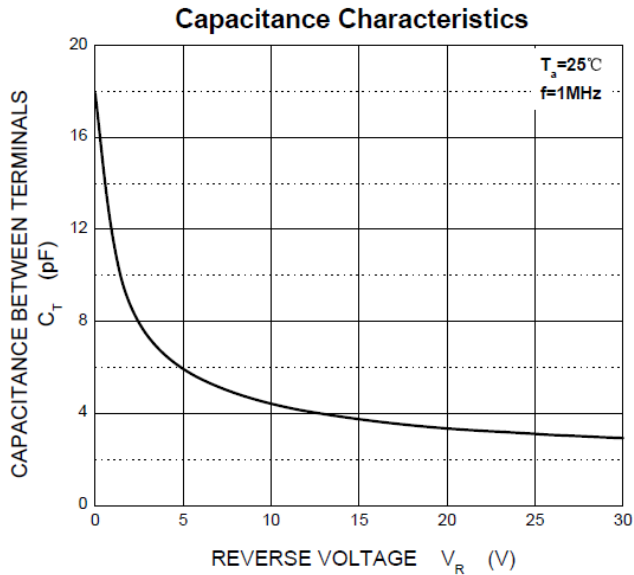
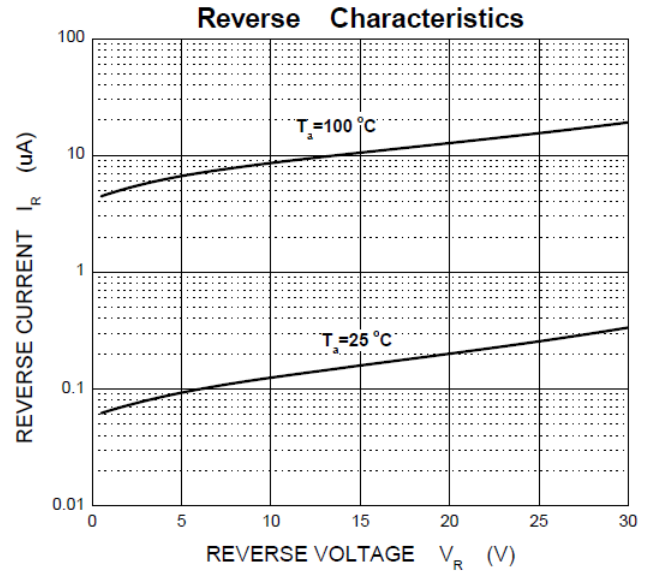
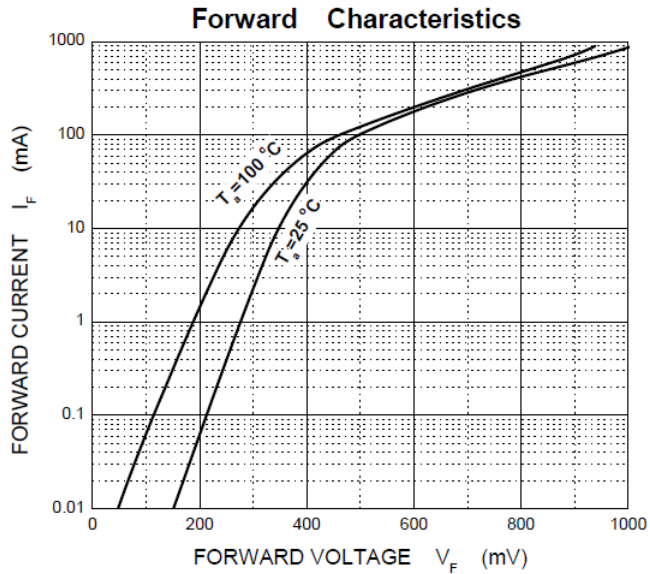


BAT54S

Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAT54S	F1	Approximate 0.007973	3000	45000	180000	7" reel

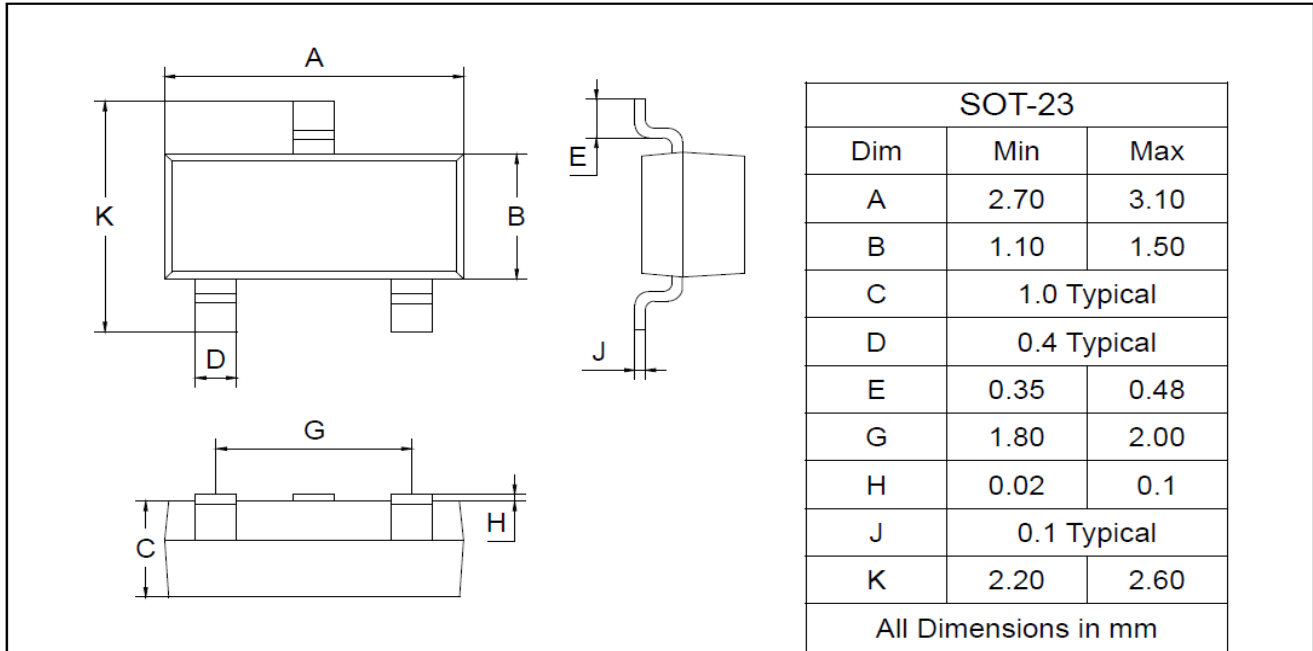
Characteristics (Typical)



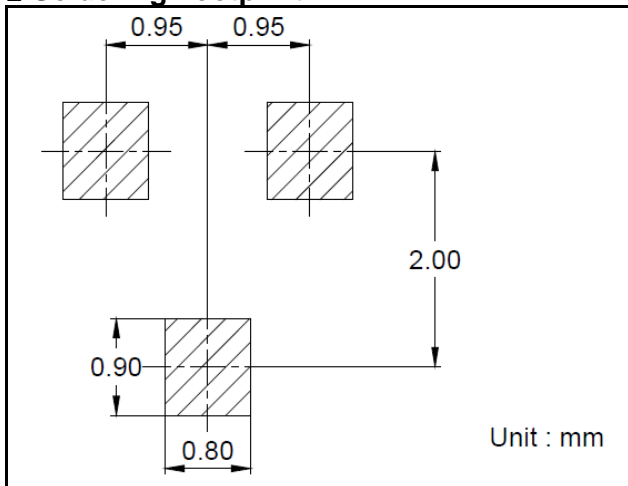


BAT54S

■ Plastic surface mounted package



■ Soldering Footprint





BAT54S

Disclaimer

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