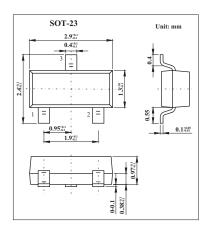
SMD Type Diodes

Schottky Diodes KAT54/A/C/S(BAT54/A/C/S)

Features

- ●Low forward voltage
- Guard ring protected
- Small plastic SMD package.











■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Maximum Repetitive Reverse Voltage	VRRM	30	V
Average Rectified Forward Current	lF(AV)	200	mA
Non-repetitive Peak Forward Surge Current Pulse width = 1.0 second	IFSM	600	mA
Power Dissipation	Pp	290	mW
Thermal Resistance, Junction to Ambient	Rеја	430	℃/W
Storage Temperature Range	Tstg	-55 to +150	$^{\circ}$
Operating Junction Temperature	TJ	150	$^{\circ}$

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Testconditons		Тур	Max	Unit
Breakdown Voltage	VR	IR = 10 μ A				V
		IF = 0.1 mA			240	mV
		IF = 1 mA			320	mV
Forward Voltage	VF	IF = 10 mA			400	mV
		IF = 30 mA			500	mV
		IF = 100 mA			1.0	V
Reverse Current	lR	VR =25 V			2	μА
Total Capacitance	Ст	V _R = 1V, f = 1.0 MHz			10	pF
Reverse Recovery Time	trr	IF = IR = 10 mA, IRR = 1.0 mA,RL = 100Ω			5	ns

■ hFE Classification

TYPE	KAT54	KAT54A	KAT54C	KAT54S
Marking	L4	L42 or WV3	L43 or WW1	L44 or WV4

SMD Type Diodes

KAT54/A/C/S(BAT54/A/C/S)

■ Typical Characteristics

