

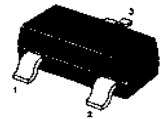
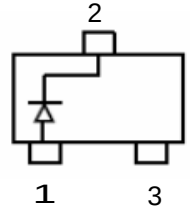


1SS294 SCHOTTKY DIODES

FEATURES

Extremely Fast Switching Speed

Marking : A9



SOT-23

Maximum Ratings @T_A=25°C

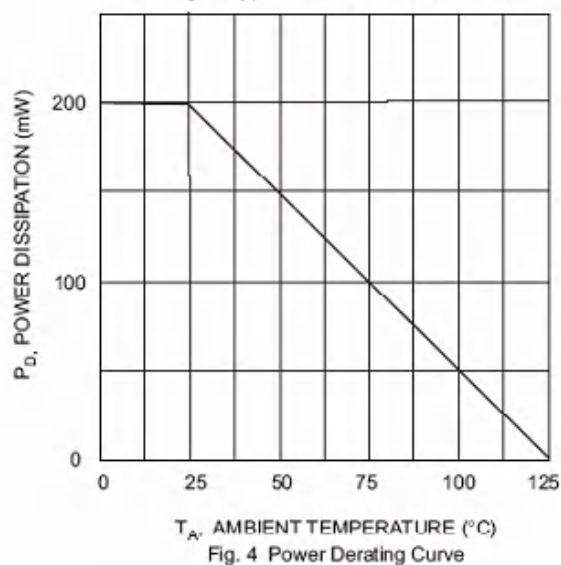
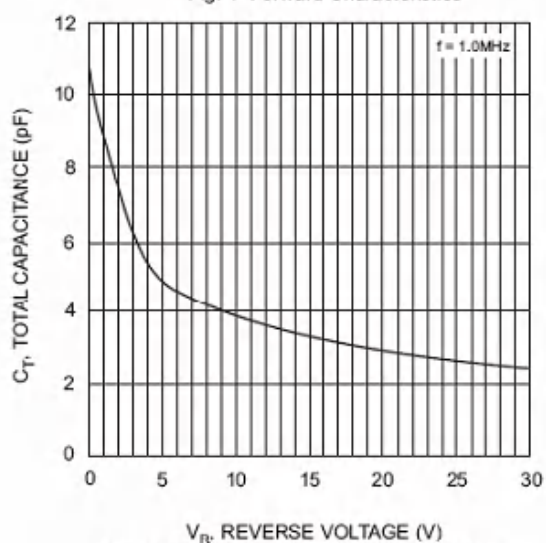
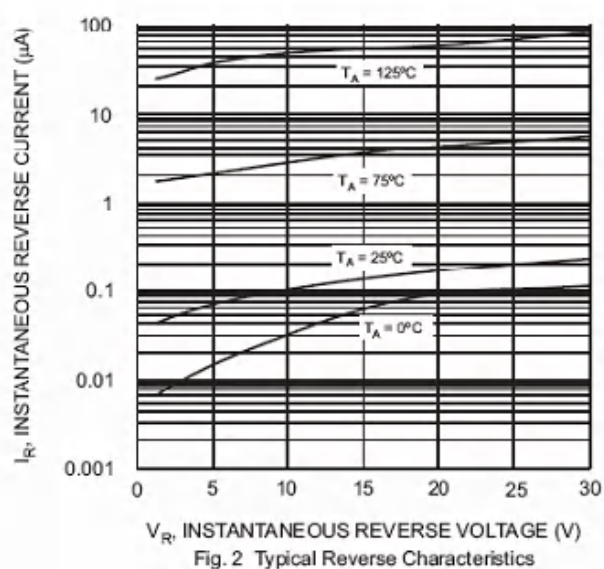
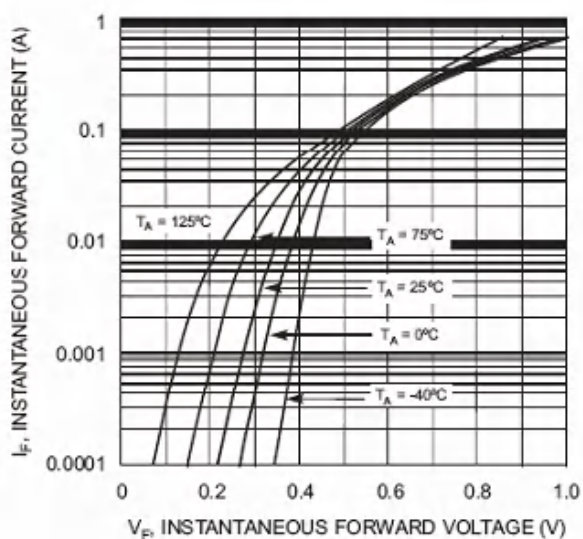
Parameter	Symbol	Limits	Unit
Peak Repetitive Peak reverse voltage	V _{RRM}	40	V
Working Peak Reverse Voltage	V _{RWM}		
	V _R		
Forward Continuous Current	I _{FM}	100	mA
Power Dissipation	P _D	200	mW
Storage temperature	T _{STG}	-55-150	°C

Electrical Characteristics @T_A=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse Breakdown Voltage	V _{(BR)R}	40			V	I _R =100μA
Forward voltage	V _F			0.32	V	I _F =1mA
	V _F			0.5	V	I _F =10mA
	V _F			0.6	V	I _F =100mA
Reverse current	I _R			5	μA	V _R =40V
Diode Capacitance	C _D			25	pF	V _R =1V, f=1MHz
Reverse Recovery Time	t _{rr}			5	nS	I _F =I _R =10mA I _{rr} =0.1X I _R , R _L =100Ω



Typical Characteristics

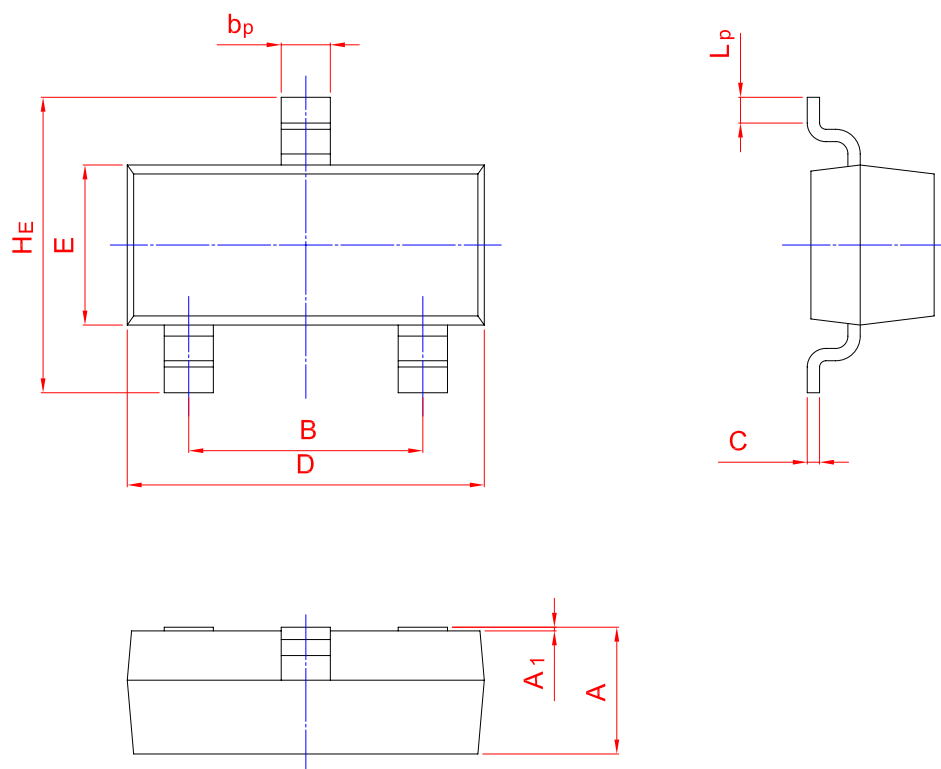
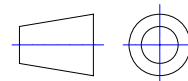




PACKAGE OUTLINE

Plastic surface mounted package; 3 leads

SOT-23



UNIT	A	B	bp	C	D	E	HE	A1	Lp
mm	1.40	2.04	0.50	0.19	3.10	1.65	3.00	0.100	0.50
	0.95	1.78	0.35	0.08	2.70	1.20	2.20	0.013	0.20