1SS390

SILICON EPITAXIAL PLANAR DIODE

Band Swithing Diode

Features

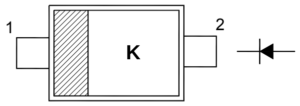
- Extremely small surface mounting type
- High reliability

Applications

- High frequency switching

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Top View
Marking Code: "**K**"
Simplified outline SOD-523 and symbol

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	35	V
Forward Current	I_F	100	mA
Junction Temperature	T_J	125	°C
Storage Temperature Range	T_{stg}	- 55 to + 125	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Max.	Unit
Forward Voltage at I_F = 10 mA	V_F	1	V
Reverse Current at V_R = 25 V	I_R	10	nA
Capacitance Between Terminals at V_R = 6 V, f = 1 MHz	C_T	1.2	pF
Forward Operating Resistance at I_F = 2 mA, f = 100 MHz	r_f	0.9	Ω

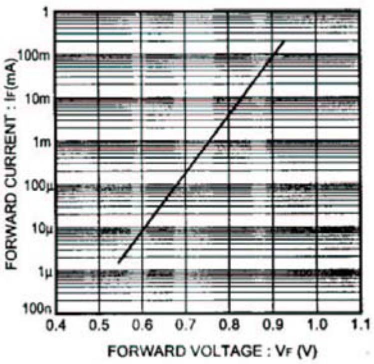


Fig. 1 Forward characteristics

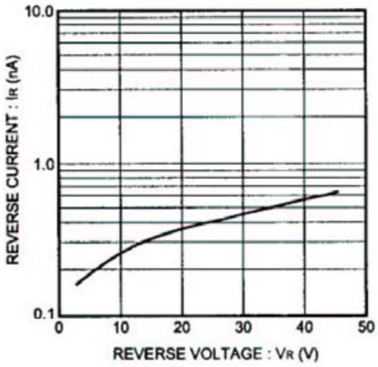


Fig. 2 Reverse characteristics

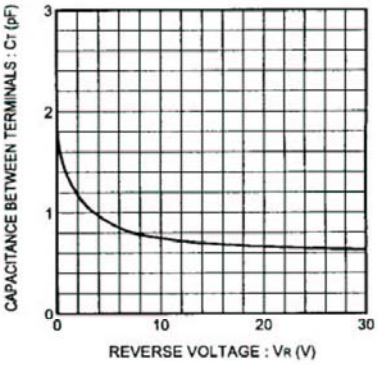


Fig. 3 Capacitance between terminals characteristics

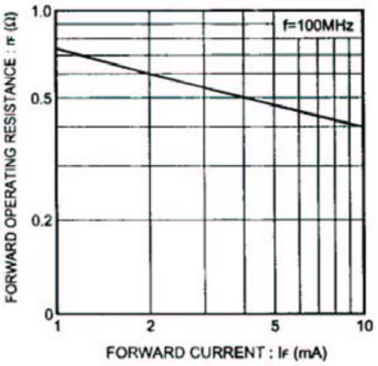
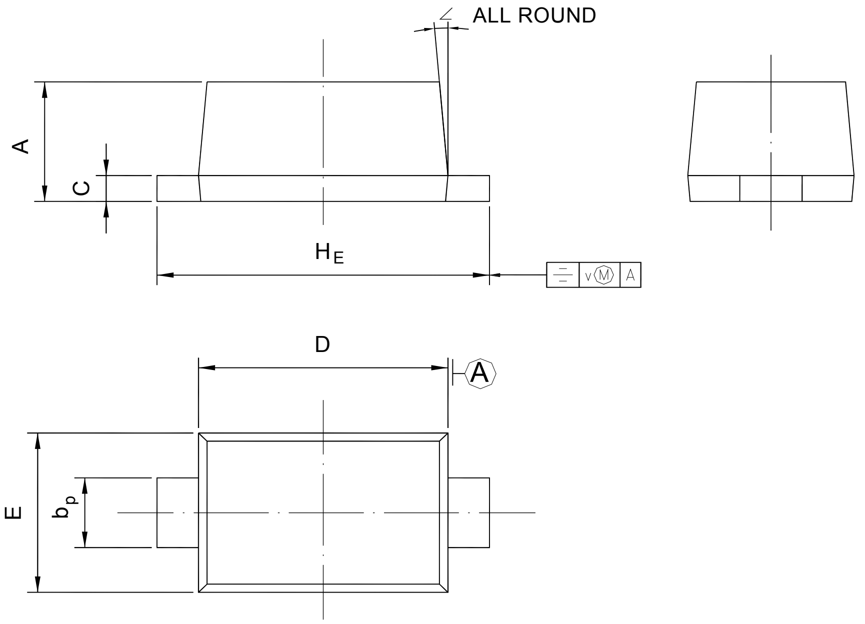


Fig. 4 Forward operating resistance characteristics

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads **SOD-523**



UNIT	A	b_p	C	D	E	H_E	V	∠
mm	0.70 0.60	0.4 0.3	0.135 0.100	1.25 1.15	0.85 0.75	1.7 1.5	0.1	5°