SDP410D

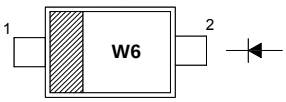
BAND SWITCHING DIODE

Features

- VHF tuner band switch applications
- Small total capacitance
- Low series resistance

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode



Top View
Marking Code: "**W6**"
Simplified outline SOD-323 and symbol

Absolute Maximum Ratings (T_a = 25 °C)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	30	V
Forward Current	I_F	100	mA
Junction Temperature	T_J	150	°C
Storage Temperature Range	T_{stg}	- 55 to + 150	°C

Characteristics at T_a = 25 °C

Parameter	Symbol	Min.	Max.	Unit
Forward Voltage at I_F = 2 mA	V_F	-	0.85	V
Reverse Current at V_R = 15 V	I_R	-	0.1	µA
Reverse Voltage at I_R = 1 µA	V_R	30	-	V
Total Capacitance at V_R = 6 V, f = 1 MHz	C_T	-	1.2	pF
Series Resistance at I_F = 2 mA, f = 100 MHz	r_S	-	0.9	Ω

Fig.1 r_S--I_F

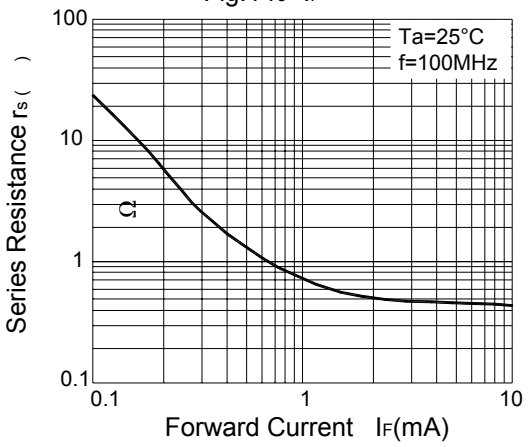


Fig.2 C_T--V_R

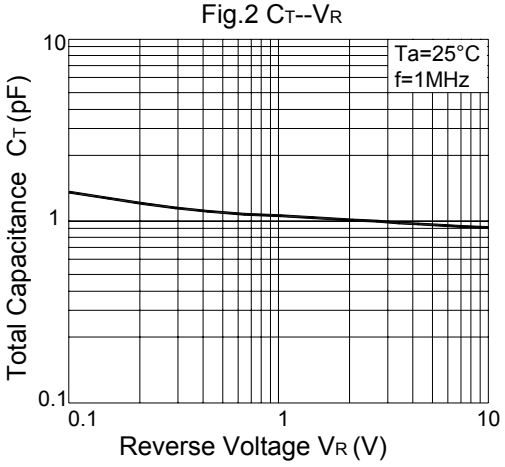
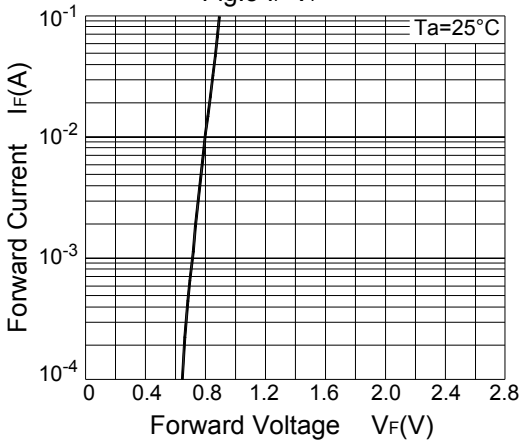
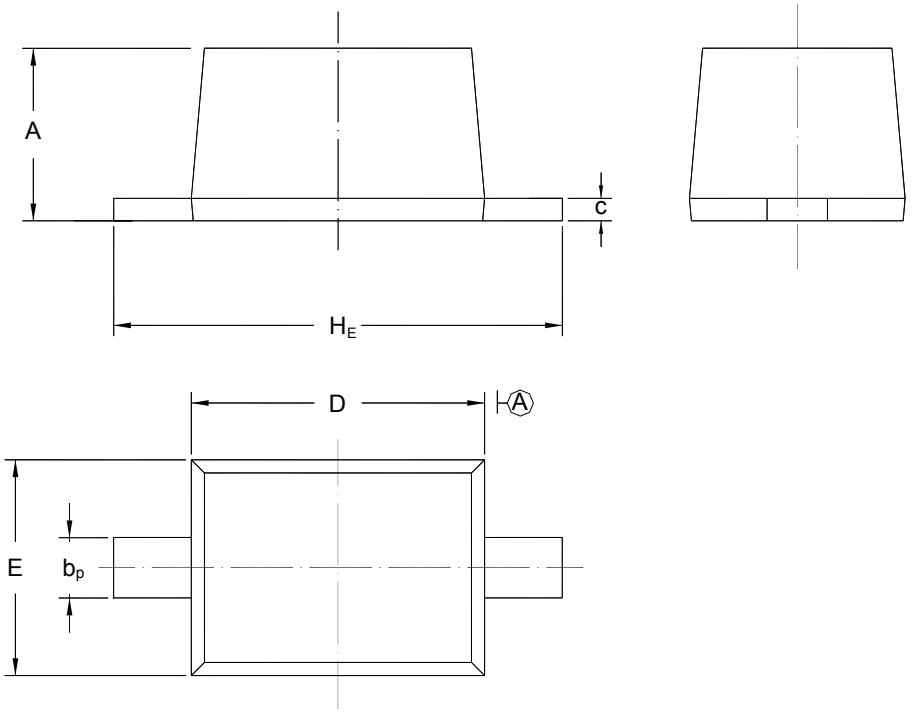


Fig.3 I_F-V_F



PACKAGE OUTLINE

Plastic surface mounted package; 2 leads **SOD-323**



UNIT	A	b_p	C	D	E	H_E
mm	1.10 0.80	0.40 0.25	0.15 0.00	1.80 1.60	1.35 1.15	2.80 2.30