



# FUKUCOM COMPANY LTD.

## 福靈有限公司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,  
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

### 1SS356WS

#### BAND SWITCHING DIODE

##### FEATURES

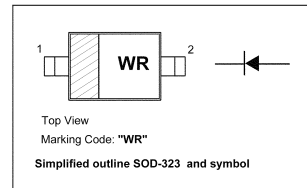
- Small surface mounted type.
- High reliability .

##### APPLICATIONS

- High frequency switching

##### PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

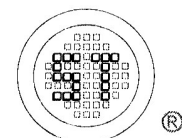


#### Absolute Maximum Ratings (Ta = 25°C)

Parameter	Symbol	Limits	Unit
DC reverse voltage	$V_R$	35	V
DC forward current	$I_o$	100	mA
Junction temperature	$T_J$	125	°C
Storage temperature	$T_{stg}$	-55 ... +125	°C

#### Electrical Characteristics (Ta = 25°C)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_F$	-	-	1.0	V	$I_F = 10mA$
Reverse current	$I_R$	-	-	10	nA	$V_R = 25V$
Capacitance between terminals	$C_T$	-	-	1.2	pF	$V_R = 6V, f = 1MHz$
Forward operating resistance	$r_F$	-	-	0.9	$\Omega$	$I_F = 2mA, f = 100MHz$



**SEMTECH**

Dated : 31/01/2005



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◆Electrical characteristic curves (Ta=25°C)

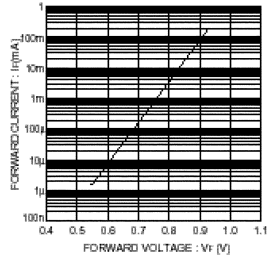


Fig. 1 Forward characteristics

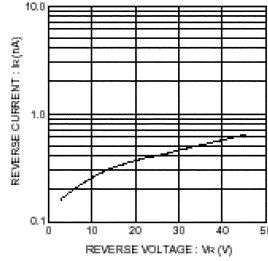


Fig. 2 Reverse characteristics

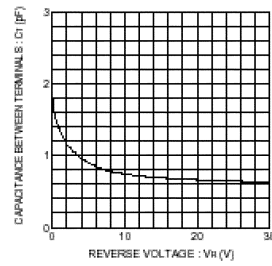


Fig. 3 Capacitance between terminals characteristics

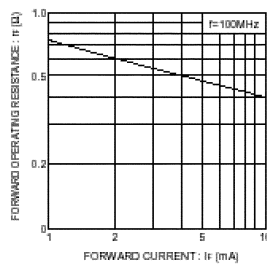
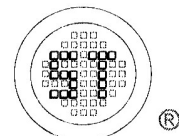


Fig. 4 Forward operating resistance characteristics



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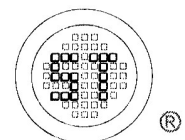
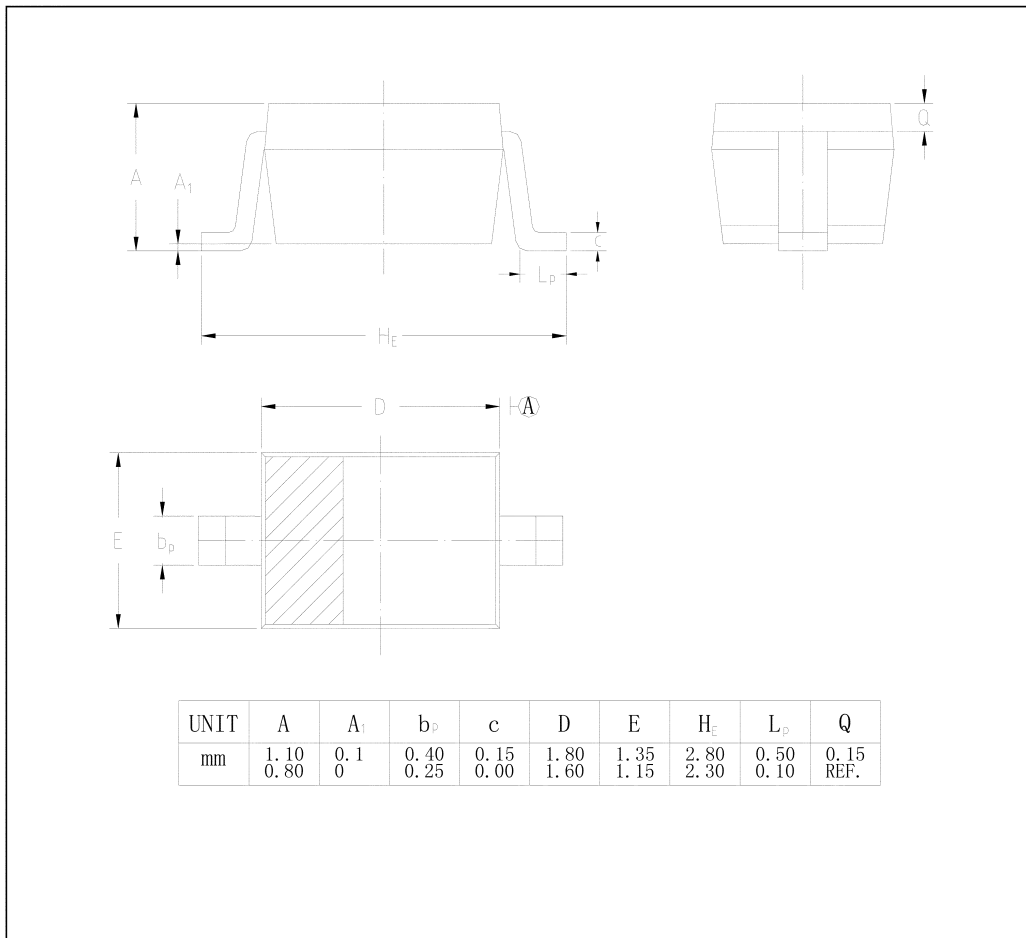
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### PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323



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