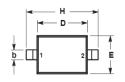
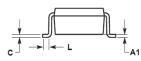


BAND-SWITCHING DIODE

Features

- Low diode capacitance.
- Low diode forward resistance.
- Small inductance.
- Marking Code:A2





c → - L A1

	_A3
	→
111	↑ ♦
<u> </u>	

SOD-323					
Dim.	Min.	Max.			
Α	0.80	1.10			
A1	0.00	0.10			
А3	0.15 REF				
В	0.25	0.40			
С	0.10	0.15			
D	1.60	1.80			
Е	1.15	1.35			
L	0.20 0.50				
Н	2.30	2.80			
Dimensions in millimeter					

Maximum Ratings @ T_A = 25°C unless otherwise specified

Parameter	Symbol	Value	Unit
Continuous Reverse Voltage	V _R	50	V
Contunous Forward Current	I _F	100	mA
Total Power Dissipation ^a	P _{tot}	500	mW
Storage Temperature Range	T _{stg}	- 55 to + 150	°C
Junction Temperature	Tj	150	°C

Note a. $T_S = 90 \, ^{\circ}C$

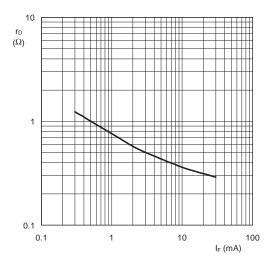
Electrical Characteristics @ TA = 25°C unless otherwise specified

Patameter	Symbol	Test Conditions	Criterion			Unit
			Min	Тур	Max	Unit
Forward Voltage	V_{F}	I _F =10mA		/	1	V
Reverse Current	I_R	V _R =20V		/	20	nA
Diode Capacitance	C_d			0.8 0.65	2.0 1.8	pF pF
Diode Forward resistance	r _D	f=100MHz $I_F=3mA$ $I_F=10mA$		0.45 0.36	0.7 0.5	Ω Ω
Reverse Resistance	1/gp	$V_R=1V$; $f=100MHz$		100	/	kΩ
Series Inductance	Ls			2	/	nН



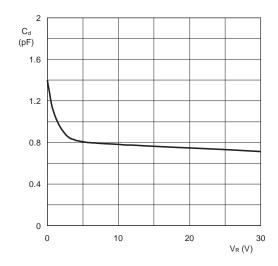
BAND-SWITCHING DIODE

TYPICAL TRANSIENT CHARACTERISTICS



f = 100 MHz; T_j = 25 °C.

Fig.2 Forward resistance as a function of forward current; typical values.



 $f = 1 \text{ MHz}; T_j = 2.5 \circ \text{C}.$

Fig.3 Diode capacitance as a function of reverse voltage; typical values.





BAND-SWITCHING DIODE

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