

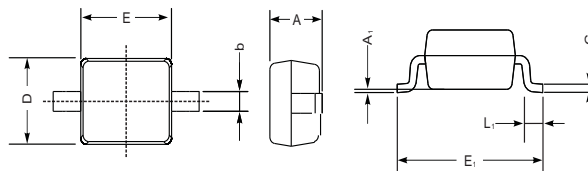
SOD323

Features

Low forward voltage drop
High current capability
High reliability
High surge current capability
Epitaxial construction

General Description

Case: molded plastic
Polarity: Color band denotes cathode
Package: SOD-323 Plastic Package



UNIT		A	C	D	E	E ₁	b	L ₁	A ₁
mm	max	1.1	0.15	1.4	1.8	2.75	0.4	0.45	0.2
	min	0.8	0.08	1.2	1.4	2.55	0.25	0.2	—
mil	max	43	5.9	55	70	108	16	16	8
	min	32	3.1	47	63	100	9.8	7.9	—

Maximum Ratings & Thermal Characteristics

(Ratings at 25°C ambient temperature unless otherwise specified.)

Parameters	Symbol	B110WS	Unit
Maximum repetitive peak reverse voltage	VRRM	100	V
Maximum RMS voltage	VRMS	70	V
Maximum DC blocking voltage	VDC	100	V
Maximum average forward rectified current	IFM	1.0	A
Peak forward surge current 8.3 ms single half sine-wave	IFSM	9	A
Typical thermal resistance	RθJA	400	°C/W
Storage temperature range	TSTG	-50-+150	°C

B110WS

Electrical Characteristics

(Ratings at 25℃ ambient temperature unless otherwise specified).

Symbol	Parameter	Test conditions	Min	Typ	Max	Unit
VF	Forward voltage(1)	IF=1A			0.85	V
IR	Reverse voltage leakage current	VR=100V		0.5	2.0	μA

RATING AND CHARACTERISTIC CURVES (B110WS)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

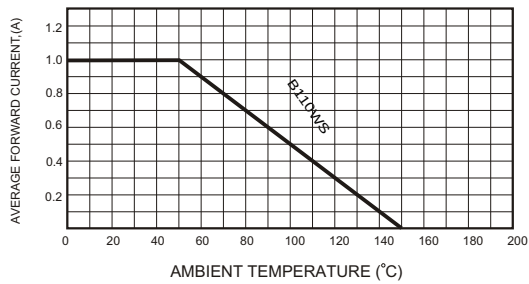


FIG.3-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

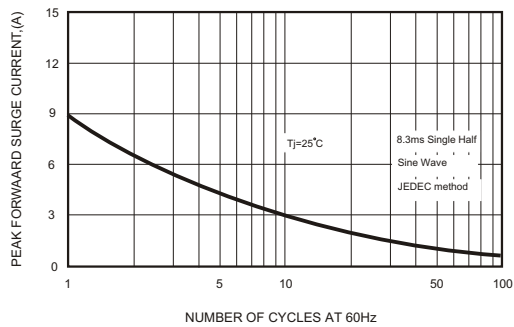


FIG.3-TYPICAL FORWARD CHARACTERISTICS

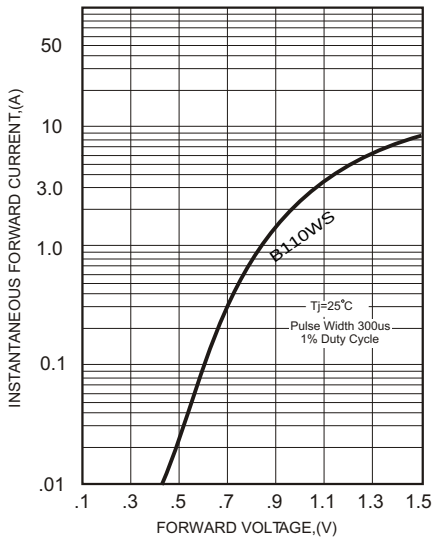


FIG.4 Reverse Characteristics

