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SEMICONDUCTOR



ESD



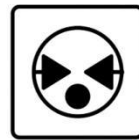
TVS



TSS



MOV



GDT

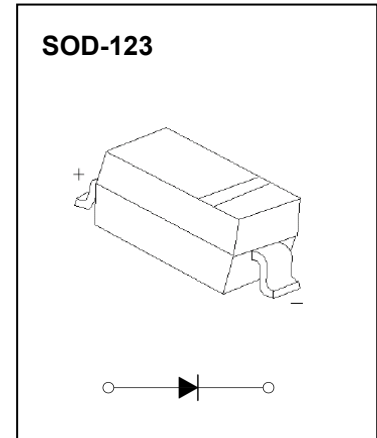


PLED

Product data sheet

FEATURES

For use in low voltage, high frequency inverters
Free wheeling, and polarity protection applications.



Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	XBS104S14	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	40	V
Peak Repetitive Peak Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	40	V
RMS Reverse Voltage	$V_{R(RMS)}$	28	V
Average Rectified Output Current	I_O	1	A
Peak Forward Surge Current @t=8.3ms	I_{FSM}	9	A
Repetitive Peak Forward Current	I_{FRM}	1.5	A
Power Dissipation	P_d	500	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	250	°C/W
Storage Temperature	T_{STG}	-55~+150	°C

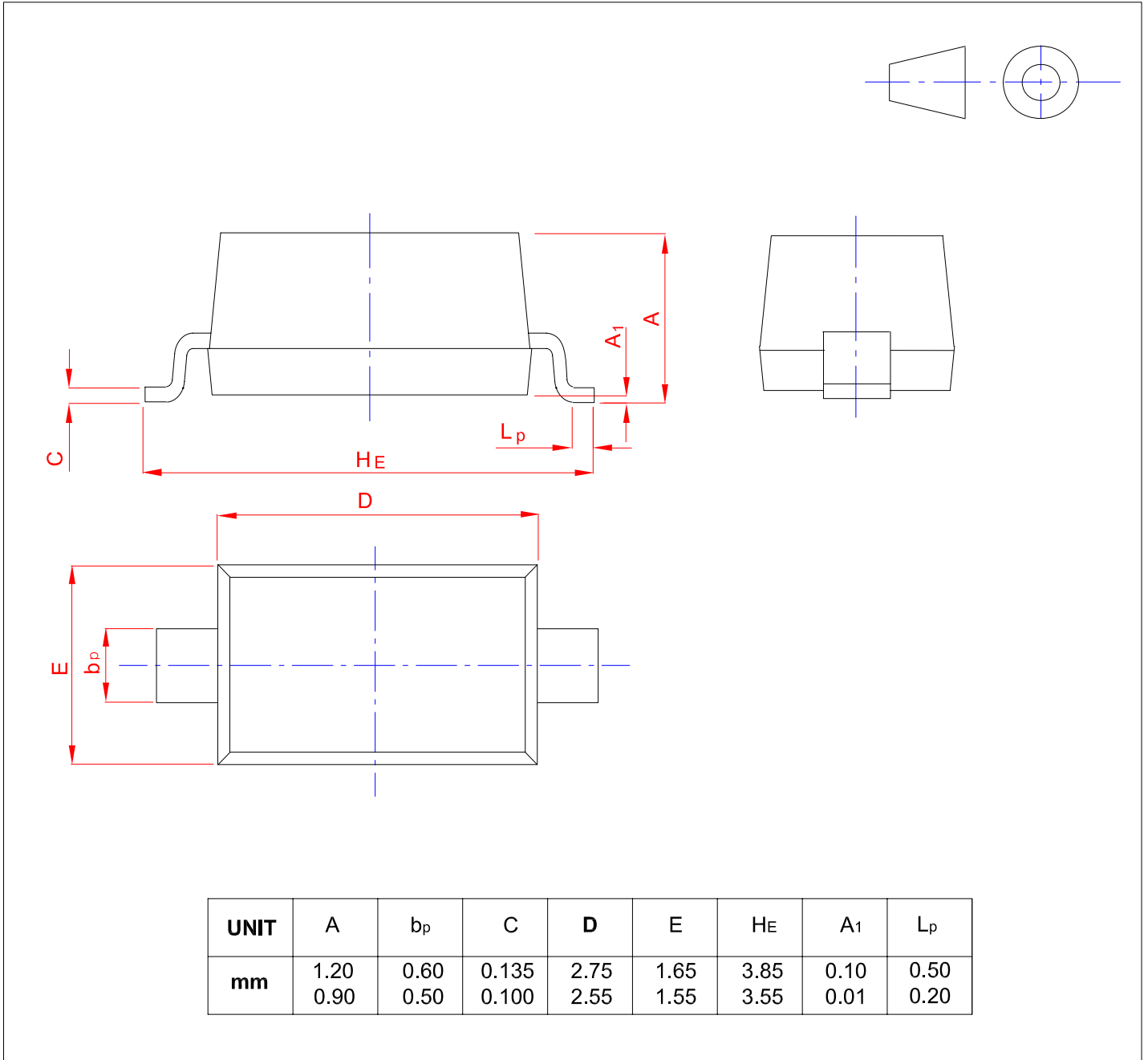
ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Reverse breakdown voltage	$V_{(BR)}$	$I_R = 1mA$	40		V
Reverse voltage leakage current	I_R	$V_R = 40V$		1	mA
Forward voltage	V_F	$I_F = 1A$ $I_F = 3A$		0.6 0.9	V
Diode capacitance	C_D	$V_R = 4V, f = 1MHz$		120	pF

PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-123



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