ò means AEC-Q101 qualified

Applications

ðLow-leakage current applications

ð Automotive

Mechanical Data

ð Case: SOT-23

ð Terminals: Tin plated leads, s
JESD22-B102

Maximum Rating, (at T= 25 Unless otherwise specified)

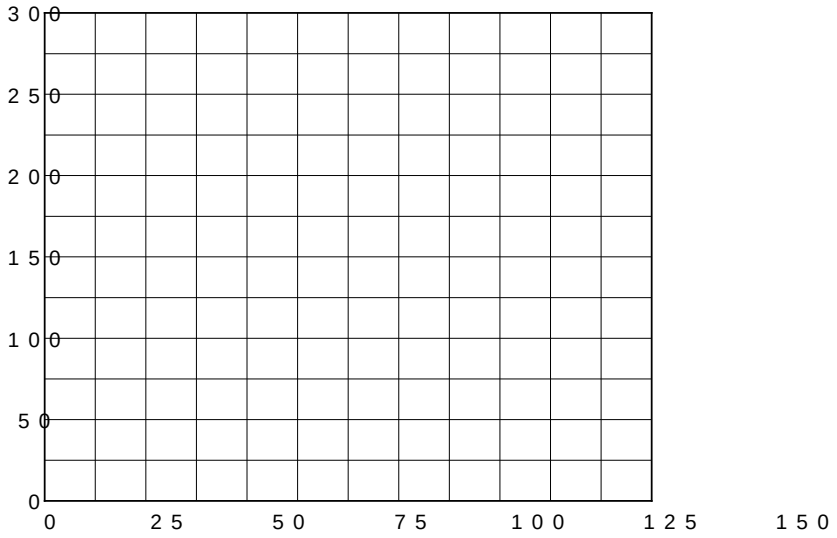
Item	Symbol	Unit		Value
Repetitive peak reverse voltage	V_{RRM}	V	V	100
Average Forward Current	I_{AV} [1]	mA		215
Non-Repetitive Peak Forward Surge Current tp=1us,	I_{FSM}	A		4
Power Dissipation	P_D	mW	P	250
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	K/W	R	500
Operation Junction Temperature	T_J	-	T	-55 to +150
Storage Temperature	T_{STG}	-	T	-55 to +150

yElectrical Characteristics (Ta=25 Unless otherwise specified, Per L

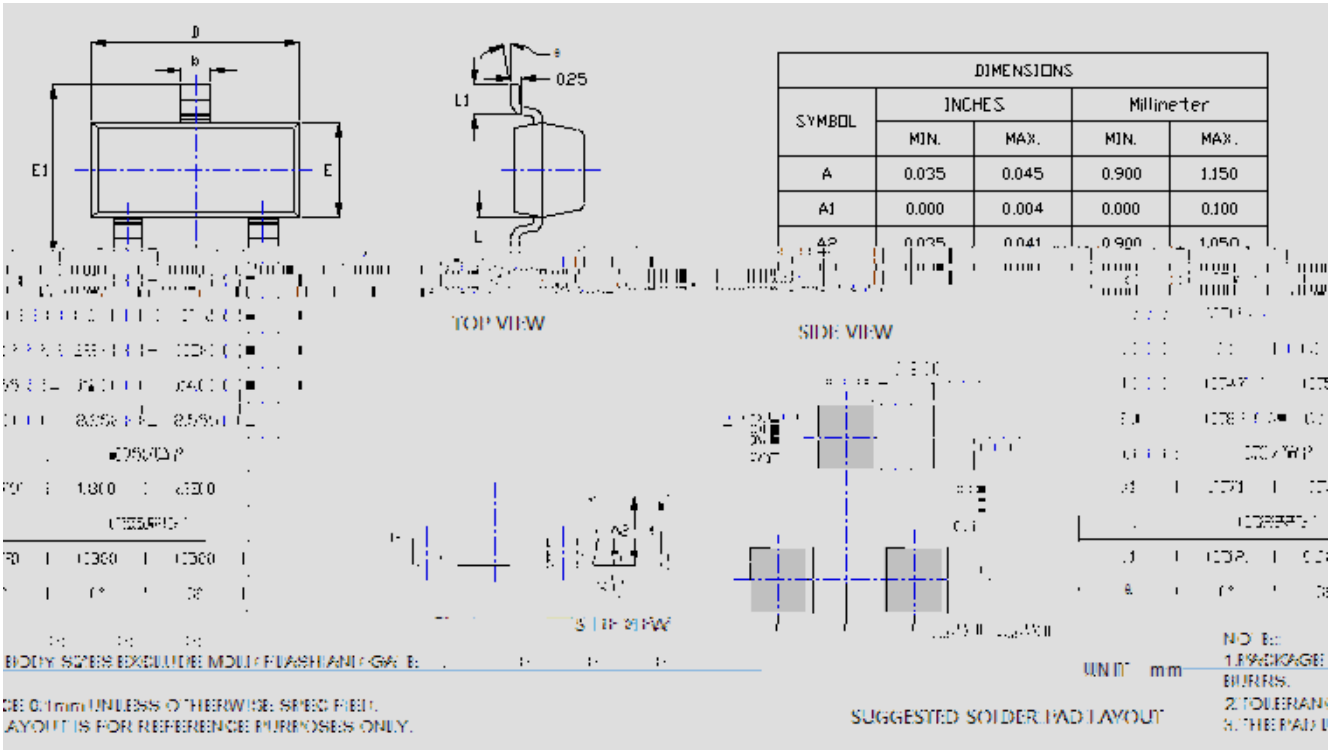
Item	Symbol	Unit	Conditions	Min	Typ	Max
Reverse Voltage	BR	V	R=100uA	100		
Forward Voltage	F	V	F=1mA			0.9
			F=10mA			1
			F=50mA			1.1
			F=150mA			1.25
Reverse Current	R	nA	R=75V			5
Total Capacitance	J	pF	R=0V, f=1.0MHz,			
Reverse Recovery Time	rr	us	F=R=10mA rr=0.1*I0c			3

yOrdering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
BAV170Q	F2	Approximate 0.01	3			


300
250
200
150
100
50
0
0
25
50
75
100
125
150

ySOT-23 Package Outline Dimensions



DIMENSIONS				
SYMBOL	INCHES		Millimeter	
	MIN.	MAX.	MIN.	MAX.
A	0.035	0.045	0.900	1.150
A1	0.000	0.004	0.000	0.100
A2	0.035	0.041	0.900	1.050

yMarking Information

Note:
1. All marking is at middle of the product body
2. All marking is in laser marking
3. Body color: Black

Disclaimer

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