

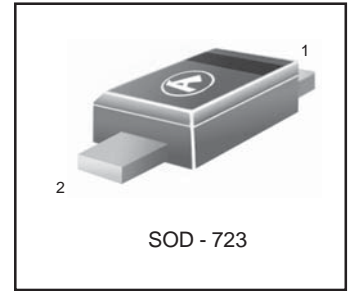
LRB521G-30T1G

S-LRB521G-30T1G

Schottky Barrier Diode

1. FEATURES

- S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.
- We declare that the material of product compliance with RoHS requirements.
- Ultra small mold type.
- Low VF.
- High reliability.



2. Application

- Rectifying small power.

3. DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LRB521G-30T1G	F	4000/Tape&Reel

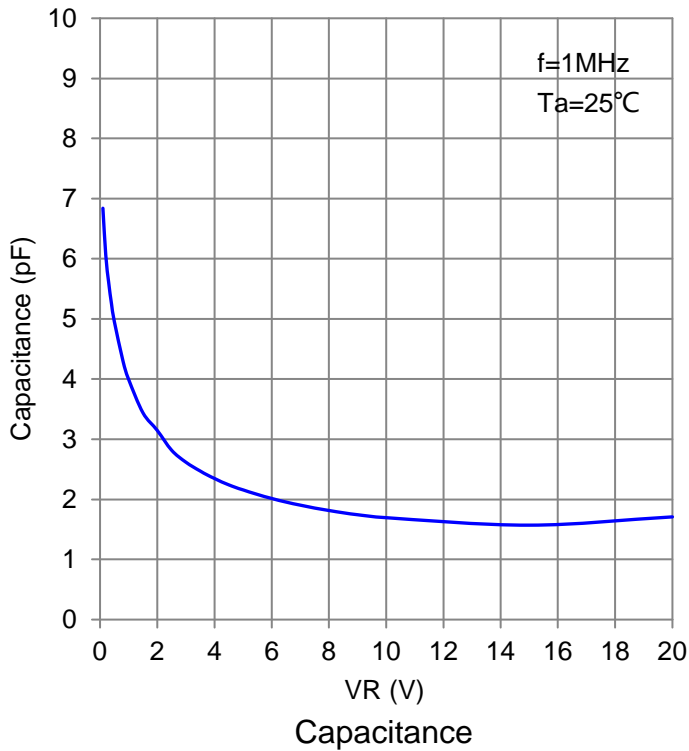
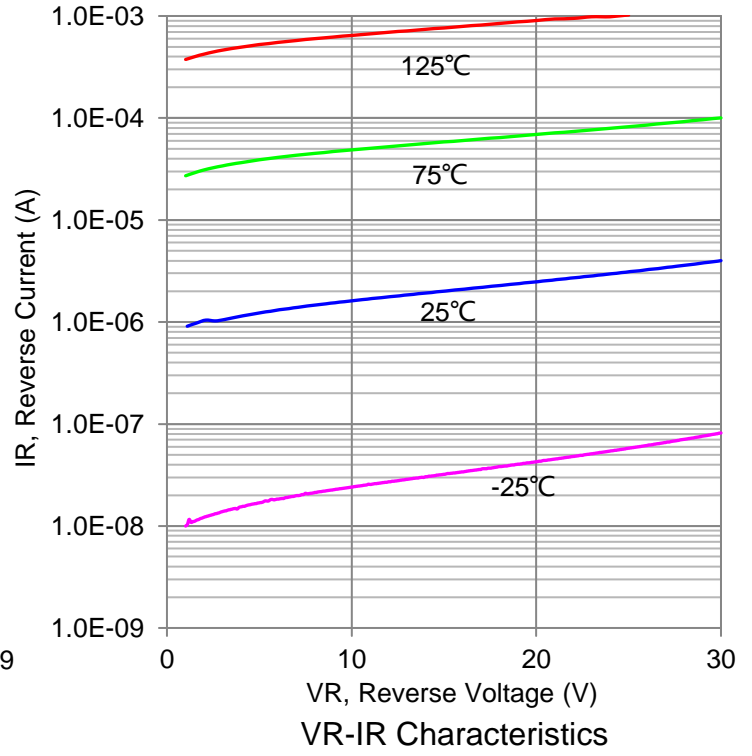
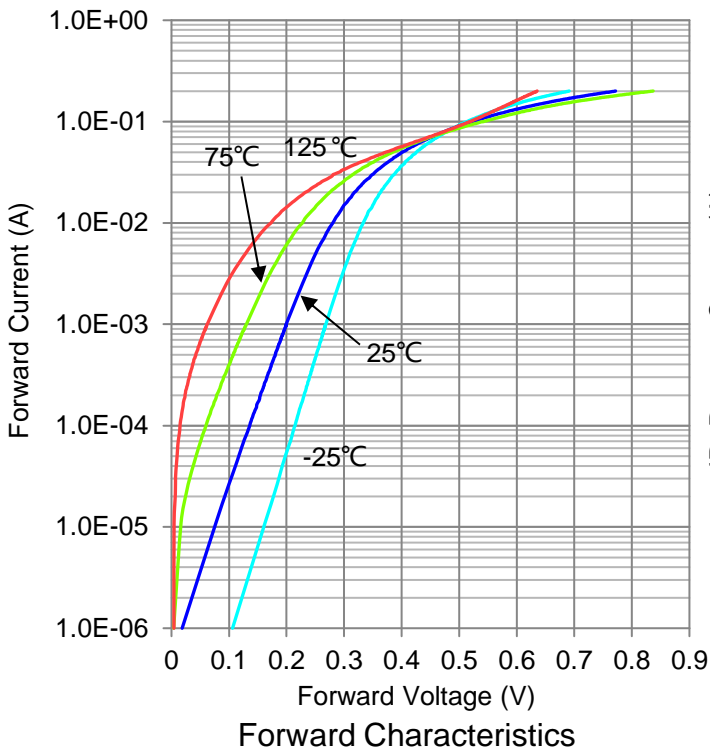
4. MAXIMUM RATINGS(Ta = 25°C)

Parameter	Symbol	Limits	Unit
Reverse Voltage	VR	30	V
Average Rectified Forward Current	IF(AV)	100	mA
Peak forward surge current (60Hz ·1cyc)	IFSM	500	mA
Junction Temperature	TJ	125	°C
Storage temperature	Tstg	-40~+125	°C

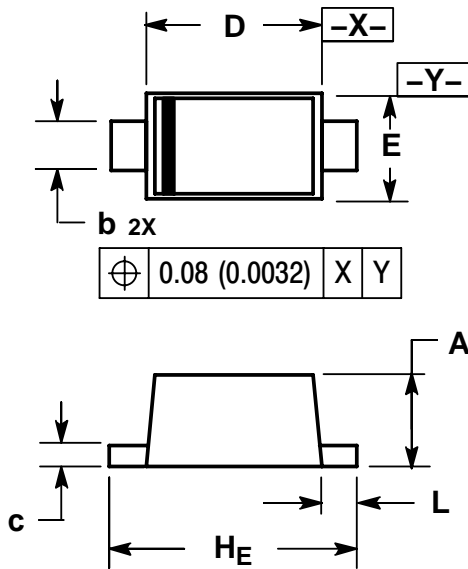
5. ELECTRICAL CHARACTERISTICS (Ta= 25°C)

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Reverse Voltage Leakage Current (VR = 10V)	IR	-	-	10	μA
Forward Voltage (IF = 10mA)	VF	-	-	0.35	V

6.ELECTRICAL CHARACTERISTICS CURVES



7.OUTLINE AND DIMENSIONS

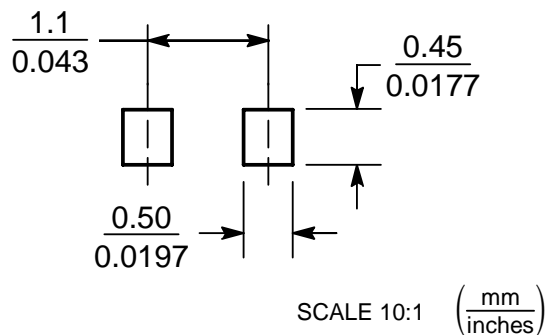


NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: MILLIMETER.
3. MAXIMUM LEAD THICKNESS INCLUDES LEAD FINISH THICKNESS. MINIMUM LEAD THICKNESS IS THE MINIMUM THICKNESS OF BASE MATERIAL.

DIM	MILLIMETERS			INCHES		
	MIN	NOM	MAX	MIN	NOM	MAX
A	0.49	0.52	0.55	0.019	0.020	0.022
b	0.25	0.28	0.32	0.0098	0.011	0.013
c	0.08	0.12	0.15	0.0032	0.0047	0.0059
D	0.95	1.00	1.05	0.037	0.039	0.041
E	0.55	0.60	0.65	0.022	0.024	0.026
HE	1.35	1.40	1.45	0.053	0.055	0.057
L	0.15	0.20	0.25	0.006	0.0079	0.010

8.SOLDERING FOOTPRINT



DISCLAIMER

- Curve guarantee in the specification. The curve of test items with electric parameter is used as quality guarantee. The curve of test items without electric parameter is used as reference only.
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