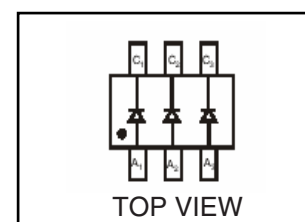
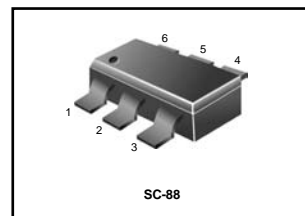


## SURFACE MOUNT SCHOTTKY BARRIER DIODE ARRAY

**LRB731XNRT1G**  
**S-LRB731XNRT1G**

### FEATURES

- Small Power Mold Type
- Low Forward Voltage — 0.37 Volts (Typ) @  $I_F = 1\text{mA}$
- High Reliability
- We declare that the material of product compliance with RoHS requirements.
- S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.



### DEVICE MARKING AND ORDERING INFORMATION

Device	Marking	Shipping
LRB731XNRT1G S-LRB731XNRT1G	D3P	3000/Tape&Reel
LRB731XNRT3G S-LRB731XNRT3G	D3P	10000/Tape&Reel

### MAXIMUM RATINGS ( $T_a = 25^\circ\text{C}$ )

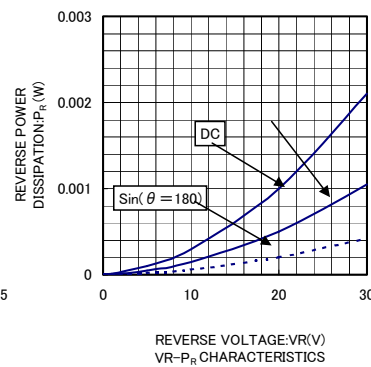
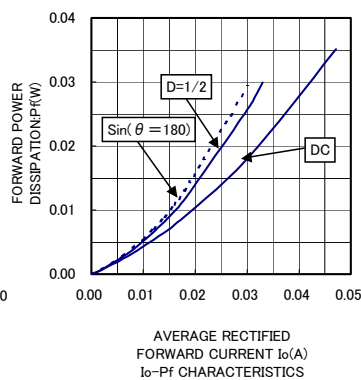
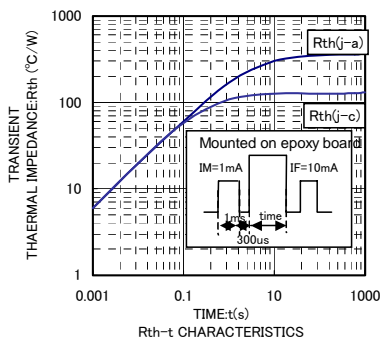
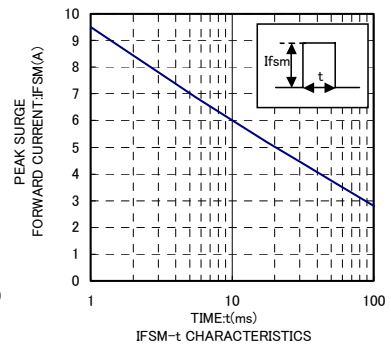
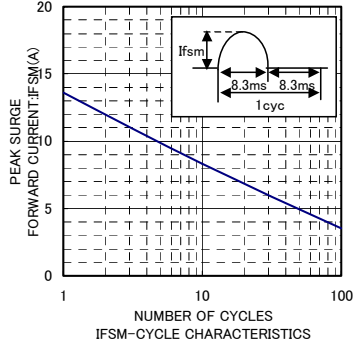
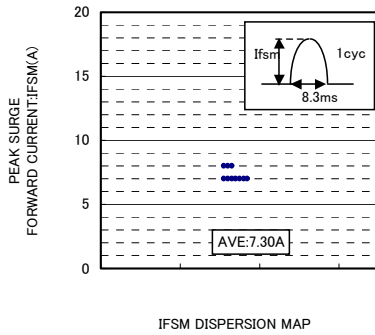
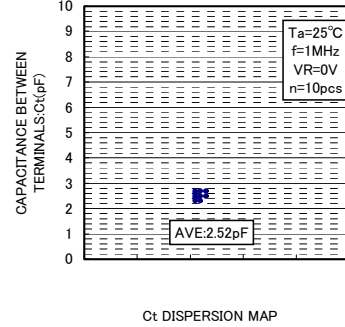
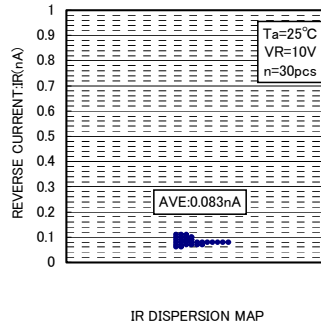
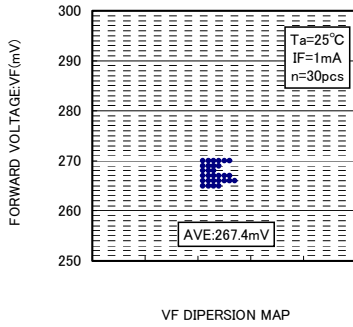
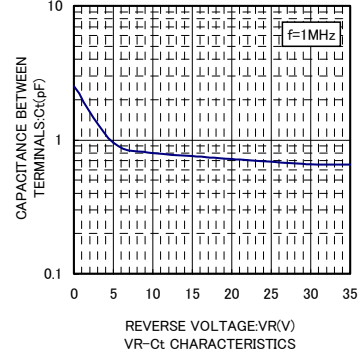
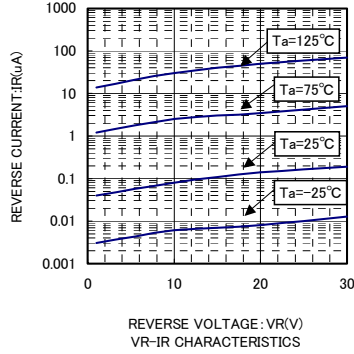
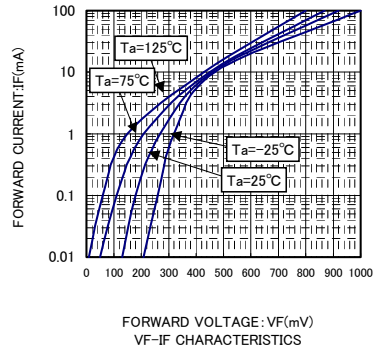
Rating	Symbol	Value	Unit
Reverse Voltage (repetitive peak)	$V_{RM}$	40	Volts
Reverse Voltage(DC)	$V_R$	40	Volts
Average Rectified Forward Current	$I_O$	30	mA
Forward Current (DC)	$I_F$	200 Max	mA
Junction Temperature	$T_J$	125 Max	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-40 to +125	$^\circ\text{C}$

### ELECTRICAL CHARACTERISTICS ( $T_a = 25^\circ\text{C}$ unless otherwise noted) (EACH DIODE)

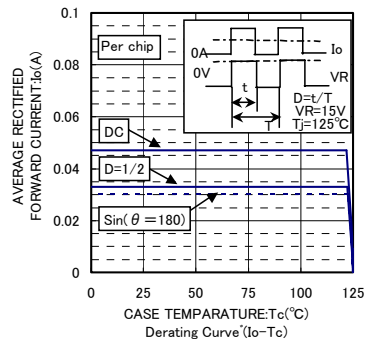
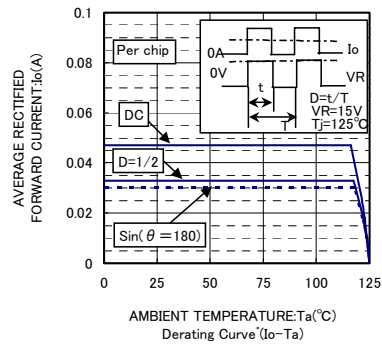
Characteristic	Symbol	Min	Typ	Max	Unit
Forward Voltage ( $I_F = 1.0\text{mA}$ )	$V_F$	—	—	0.37	Volts
Reverse Leakage ( $V_R = 10\text{V}$ )	$I_R$	—	—	1	$\mu\text{A}$
Total Capacitance ( $V_R = 1.0\text{V}$ , $f = 1.0\text{MHz}$ )	$C_T$	—	2	—	pF

## LRB731XNRT1G, S-LRB731XNRT1G

### Electrical Characteristic Curves



## LRB731XNRT1G, S-LRB731XNRT1G

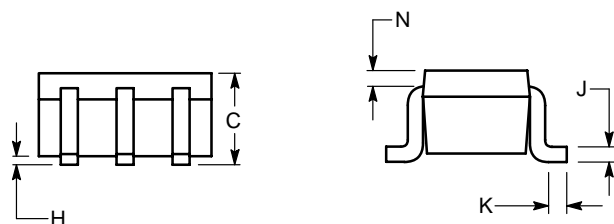
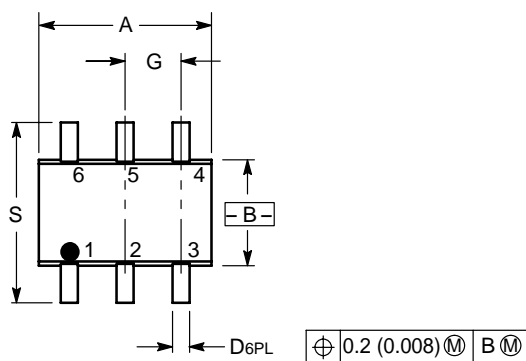


## LRB731XNRT1G , S-LRB731XNRT1G

SC-88

### NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: INCH.



DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.071	0.087	1.80	2.20
B	0.045	0.053	1.15	1.35
C	0.031	0.043	0.80	1.10
D	0.004	0.012	0.10	0.30
G	0.026 BSC		0.65 BSC	
H	---	0.004	---	0.10
J	0.004	0.010	0.10	0.25
K	0.004	0.012	0.10	0.30
N	0.008 REF		0.20 REF	
S	0.079	0.087	2.00	2.20

- PIN 1. EMITTER 2  
 2. BASE 2  
 3. COLLECTOR 1  
 4. EMITTER 1  
 5. BASE 1  
 6. COLLECTOR 2

