

# Dual Series Schottky Barrier Diodes

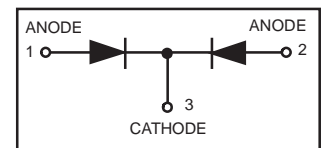
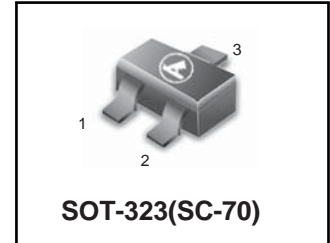
## ●Applications

General purpose detection  
High speed switching

## ●Features

1. Small surface mounting type.
2. Low  $V_F$  and low  $I_R$
3. High reliability
4. We declare that the material of product compliance with RoHS requirements.
5. S- Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable.

**LRB715FT1G**  
**S-LRB715FT1G**




## ORDERING INFORMATION

Device	Marking	Shipping
LRB715FT1G S-LRB715FT1G	3D	3000/Tape & Reel
LRB715FT3G S-LRB715FT3G	3D	10000/Tape & Reel

## ●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	40	V
DC reverse voltage	$V_R$	40	V
Mean rectifying current	$I_o$	30	mA
Peak forward surge current*	$I_{FSM}$	200	mA
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-40~+125	°C

\* 60 Hz for 1 

## ●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	$V_F$	-	-	0.37	V	$I_F=1mA$
Reverse current	$I_R$	-	-	1	$\mu A$	$V_R=10V$
Capacitance between terminals	$C_T$	-	2.0	-	pF	$V_R=1V, f=1MHz$

Note) ESD sensitive product handling required.

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Electrical characteristic curves (Ta=25°C)

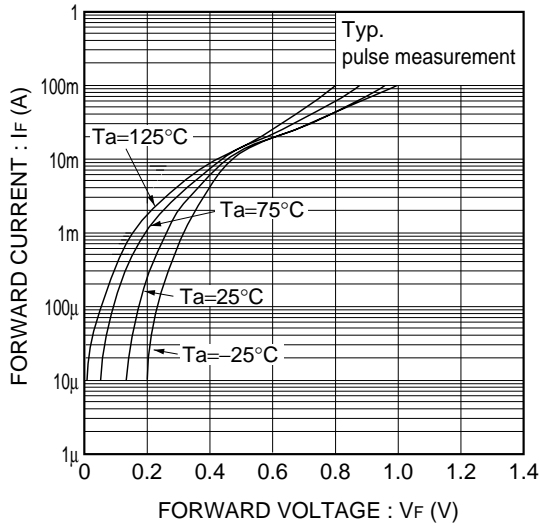


Fig. 1 Forward characteristics

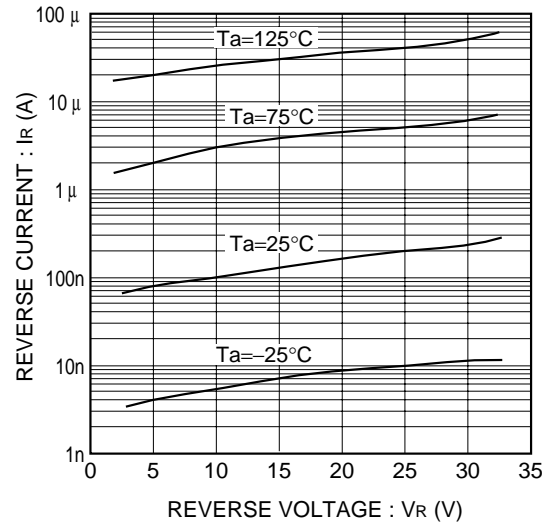


Fig. 2 Reverse characteristics

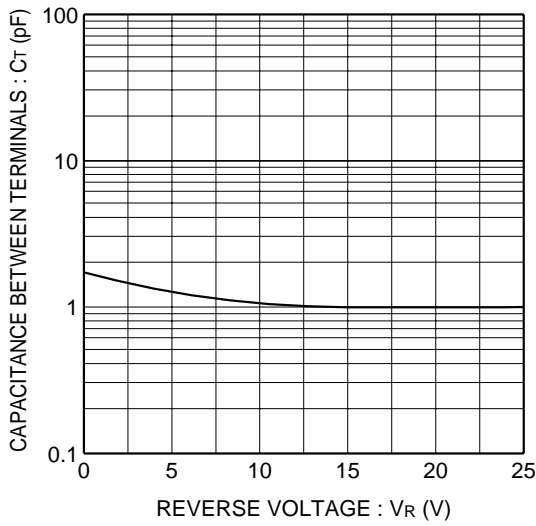


Fig. 3 Capacitance between terminals characteristics

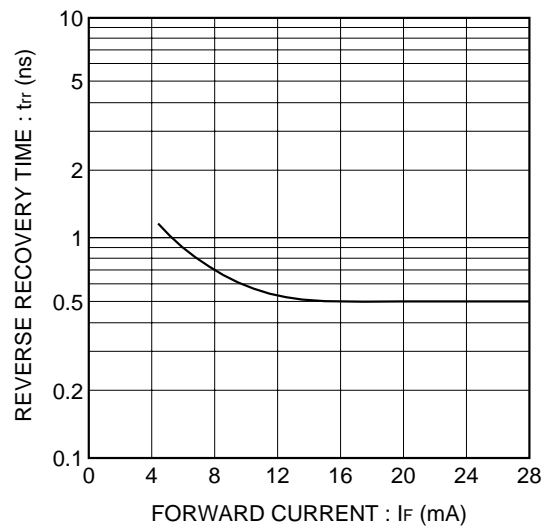


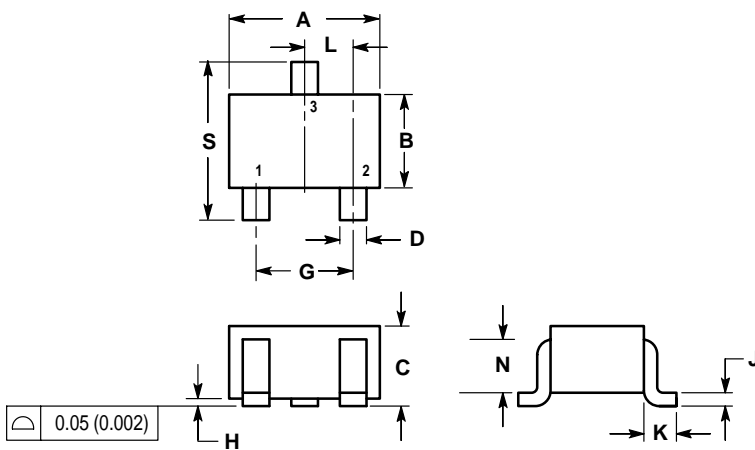
Fig. 4 Reverse recovery time characteristics

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SC-70 / SOT-323

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	0.032	0.040	0.80	1.00
D	0.012	0.016	0.30	0.40
G	0.047	0.055	1.20	1.40
H	0.000	0.004	0.00	0.10
J	0.004	0.010	0.10	0.25
K	0.017 REF		0.425 REF	
L	0.026 BSC		0.650 BSC	
N	0.028 REF		0.700 REF	
S	0.079	0.095	2.00	2.40

