

SLB521Z-30

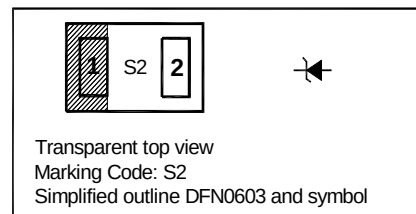
Silicon Epitaxial Planar Schottky Barrier Diode

Features

- Low V_F
- High Reliability

PINNING

PIN	DESCRIPTION
1	Cathode
2	Anode

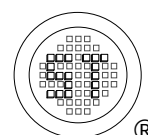


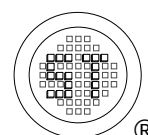
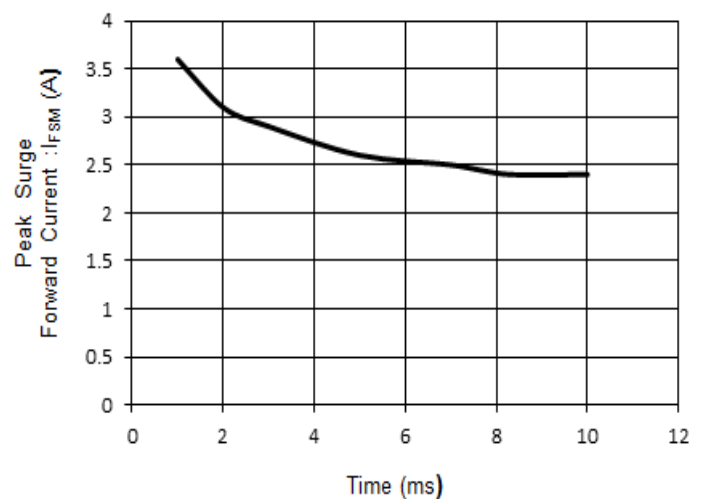
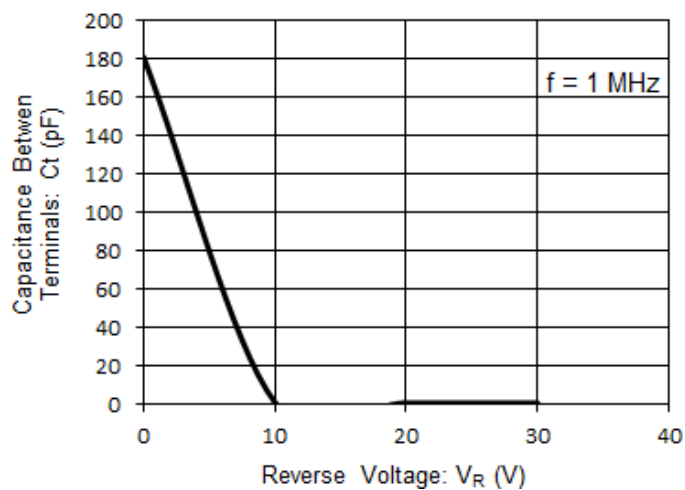
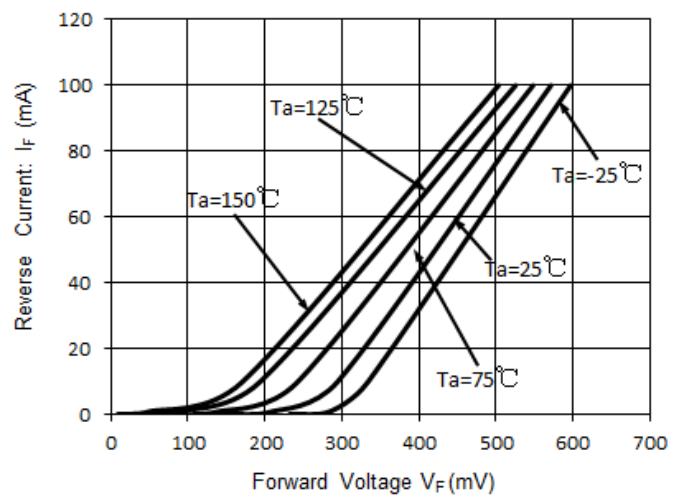
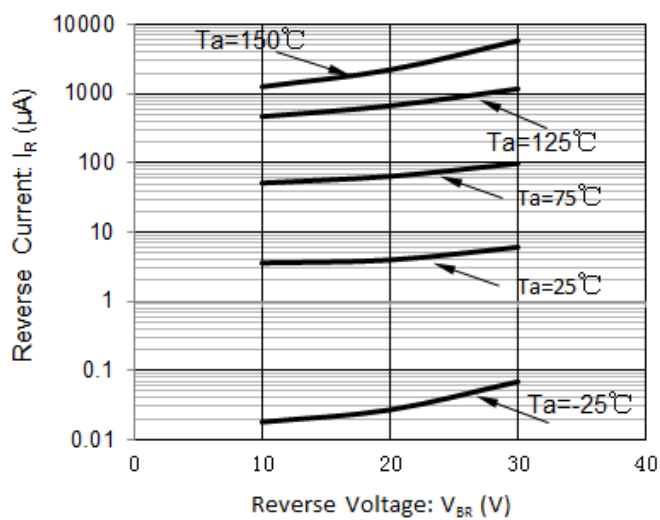
Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Value	Unit
Reverse Voltage	V_R	30	V
Average rectified forward current	$I_{F(AV)}$	100	mA
Peak Forward Surge Current (8.3 ms)	I_{FSM}	500	mA
Junction Temperature	T_j	150	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	- 40 to + 150	$^\circ\text{C}$

Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Max.	Unit
Forward Voltage at $I_F = 10\text{ mA}$	V_F	0.37	V
Reverse Current at $V_R = 10\text{ V}$	I_R	7	μA



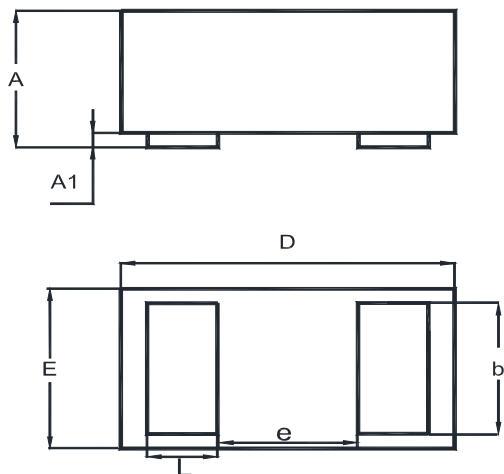


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PACKAGE OUTLINE

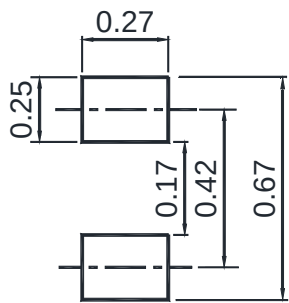
Plastic surface mounted package; 2 leads

DFN0603



UNIT	A	A1	b	D	E	e	L
mm	0.27 0.33	0 0.025	0.21	0.57 0.65	0.28 0.35	0.17	0.18

Recommended Soldering Footprint



Packing information

Package	Tape Width (mm)	Pitch		Reel Size		Per Reel Packing Quantity
		mm	inch	mm	inch	
DFN0603	8	4 ± 0.1	0.157 ± 0.004	178	7	10,000

