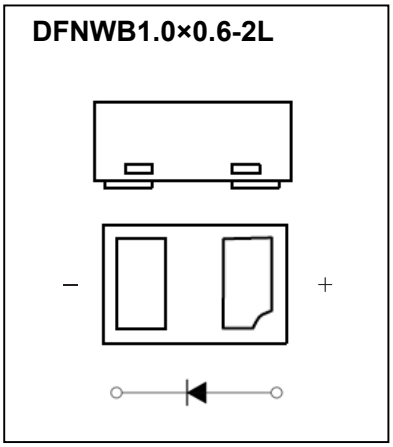
SZCJ

Shenzhen Changji Semiconductor Co., LTD.

JSCJ DFNWB1.0×0.6-2L Plastic-Encapsulate Diodes

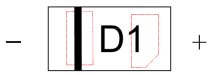
DS520-40A1 Schottky Barrier Diode



FEATURES

- Small surface mounting type
- Low I_R
- High reliability

MARKING: D1



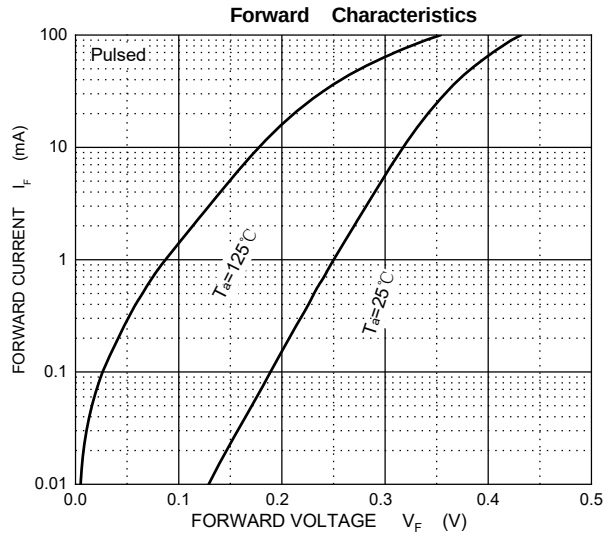
Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25℃

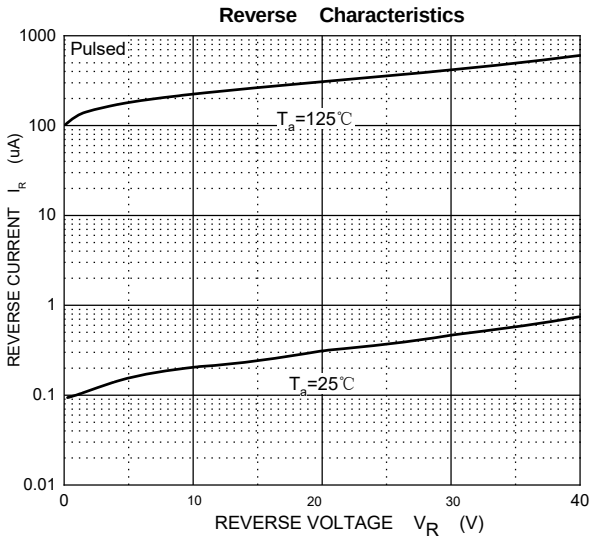
Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	40	V
Mean rectifying current	I_O	0.2	A
Non-repetitive peak forward surge current@t=8.3ms	I_{FSM}	1	A
Power Dissipation	P_D	100	mW
Thermal resistance from junction to ambient	$R_{\theta JA}$	1000	℃/W
Operating Junction Temperature Range	T_J	-40 ~ +125	℃
Storage Temperature Range	T_{STG}	-55 ~ +150	

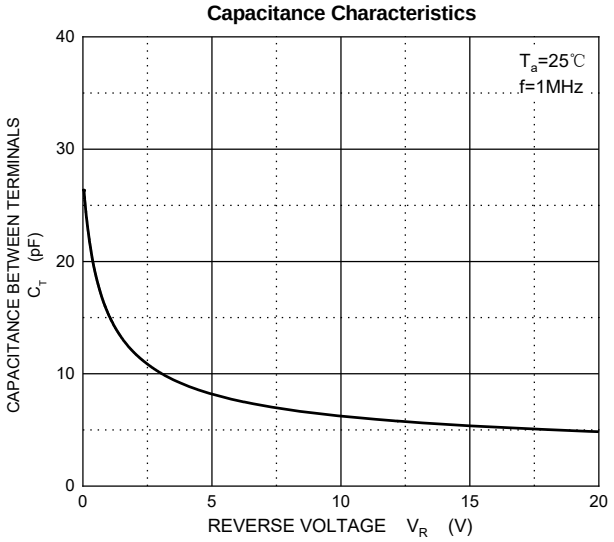
Electrical Ratings @T_A=25℃

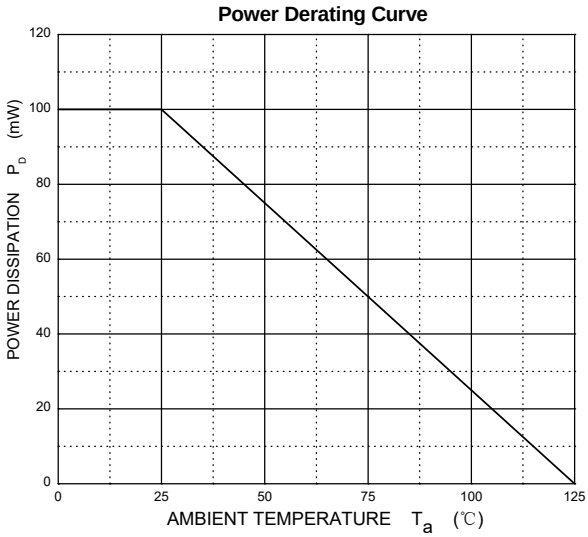
Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.39 0.55	V	I_F=10mA I_F=100mA
Reverse current	I_R			1 10	μA	V_R=10V V_R=40V

Typical Characteristics





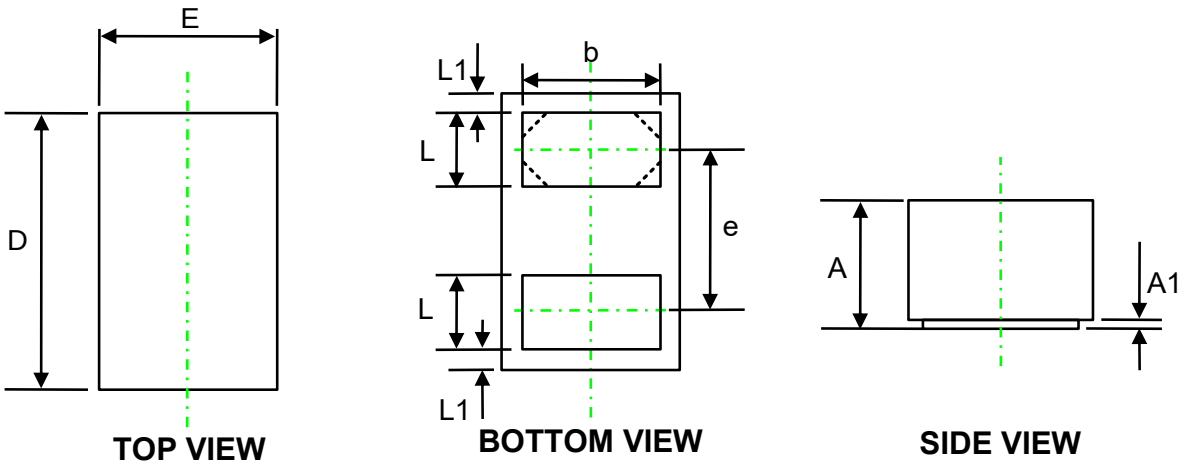




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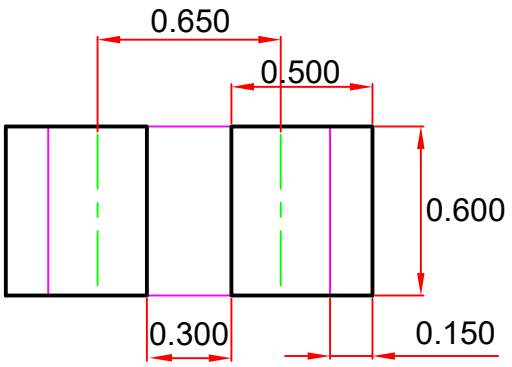
PACKAGE OUTLINE AND PAD LAYOUT INFORMATION

DFNWB1.0× 0.6-2L Package Outline Dimensions



Symbol	Dimensions In Millimeters (mm)		
	Min.	Typ.	Max.
A	0.40	0.45	0.50
A1	0.00	0.03	0.05
D	0.95	1.00	1.08
E	0.55	0.60	0.68
b	0.40	0.50	0.60
e	-	0.65	–
L	0.20	0.25	0.30
L1	0.05 REF.		

DFNWB1.0× 0.6-2L Suggested Pad Layout

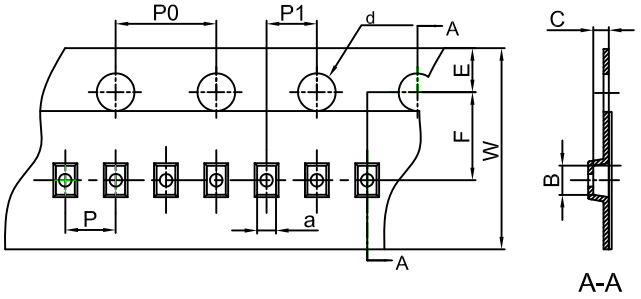


Note:
1.Controlling dimension:in millimeters.
2.General tolerance:± 0.050mm.
3.The pad layout is for reference purposes only.

NOTICE
SZCJ reserves the right to make modifications,enhan nts,improvements,corrections or other es without further notice to any product herein. SZCJ does not assume any liability arising out of the application or use of any product described h

TAPE AND REEL INFORMATION

DFN/FBP(1.0×0.6×0.5) Embossed Carrier Tape

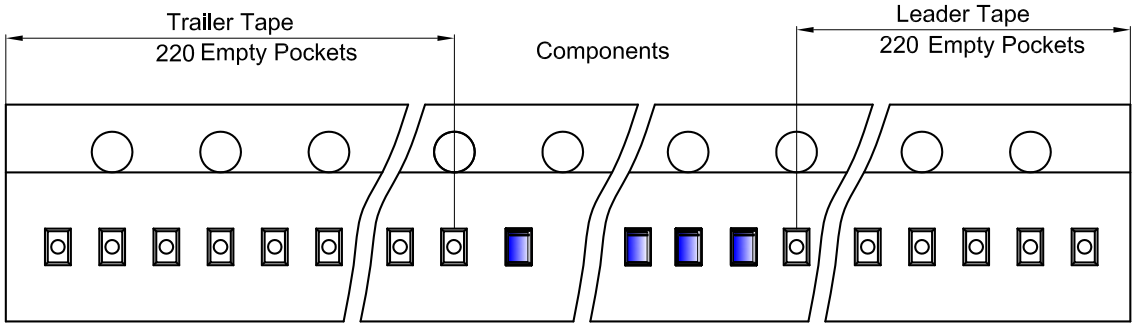


Packaging Description:

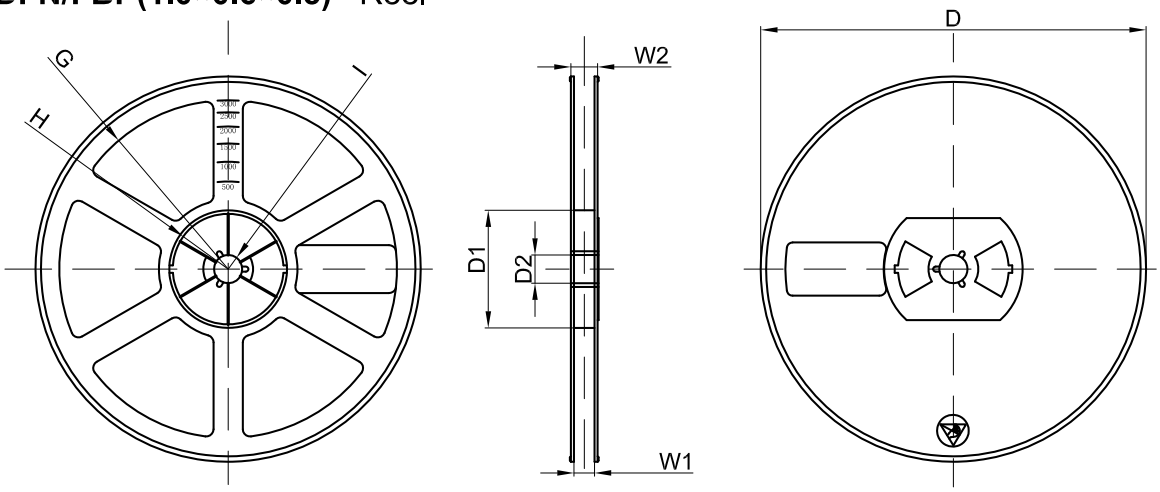
DFN/FBP(1.0×0.6×0.5) parts are shipped in tape. The carrier tape is made from a dissipative (carbon filled) polycarbonate resin. The cover tape is a multilayer film (Heat Activated Adhesive in nature) primarily composed of polyester film, adhesive layer, sealant, and anti-static sprayed agent. These reeled parts in standard option are shipped with 10,000 units per 7" or 17.8cm diameter reel. The reels are clear in color and is made of polystyrene plastic (anti-static coated).

Dimensions are in millimeter										
Pkg type	a	B	C	d	E	F	P0	P	P1	W
DFN/FBP(1.0×0.6×0.5)	0.66	1.15	0.66	Ø1.50	1.75	3.50	4.00	2.00	2.00	8.00

DFN/FBP(1.0×0.6×0.5) Tape Leader and Trailer



DFN/FBP(1.0×0.6×0.5) Reel



Dimensions are in millimeter								
Reel Option	D	D1	D2	G	H	I	W1	W2
7"Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

REEL	Reel Size	Box	Box Size(mm)	Carton	Carton Size(mm)	G.W.(kg)
10000 pcs	7 inch	150,000 pcs	203×203×195	600,000 pcs	438×438×220	

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