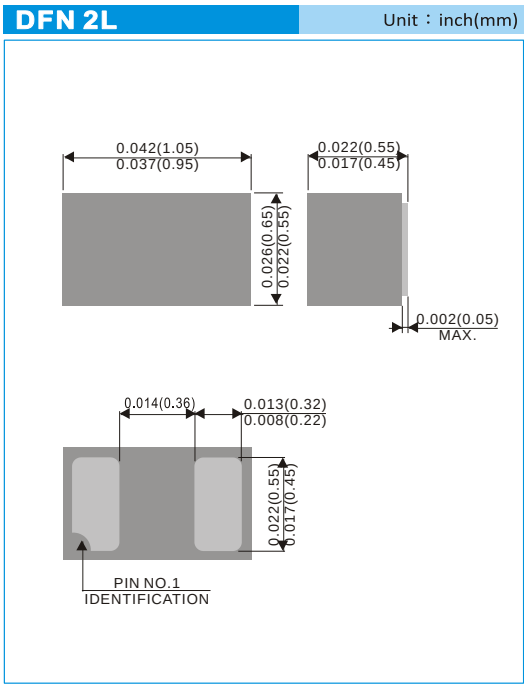
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SURFACE MOUNT SCHOTTKY BARRIER

Voltage	40 V	Current	100 mA

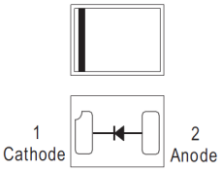


Features

- Small package
- Low forward voltage : $V_{F(3)}$=0.51V(typ.)
- Low reverse current : I_R=5μA(Max.)
- Lead free in compliance with EU RoHS2.0
  (2011/65/EU & 2015/865/EU directive)
- Green molding compound as per IEC61249 Std..(Halogen Free)

Mechanical Data

- Case: DFN 2L plastic case
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx. Weight: 0.00004 ounces, 0.0011 grams
- Marking:7F



MAXIMUM RATINS (T_A=25°C)

PARAMETER	SYMBOL	VALUE	UNIT
Maximum (peak) reverse voltage	V_{RM}	45	V
Peak reverse voltage	V_R	40	V
Maximum (peak) forward current	I_{FM}	200	mA
Average forward current	I_O	100	mA
Surge current (10ms)	I_{FSM}	1	A
Power dissipation	P_D	100	mW
Operating junction and storage temperature range	T_J, T_{STG}	-55 to +125	°C

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ELECTRICAL CHARACTERISTICS (T_A=25°C)

PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP	MAX.	UNIT
Forward voltage	V_F1	I_F=1mA	-	0.26	-	V
	V_F2	I_F=10mA	-	0.34	-	
	V_F3	I_F=100mA	-	0.51	0.62	
Reverse current	I_R	V_R=40V	-	-	5	μA
Junction capacitance	C_J	V_R=0V, f=1MHz	-	10	-	pF

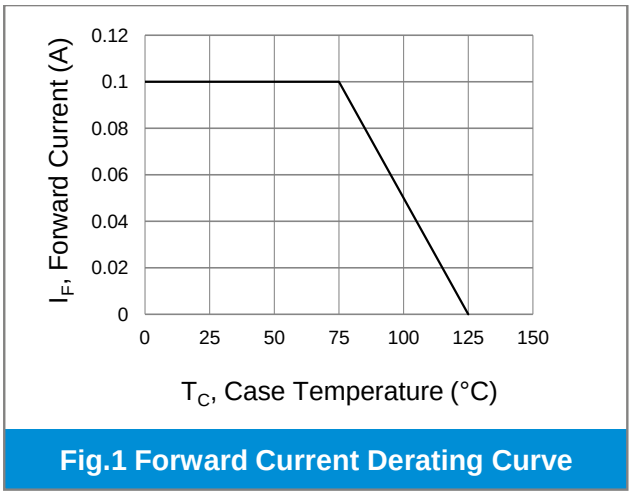


Fig.1 Forward Current Derating Curve

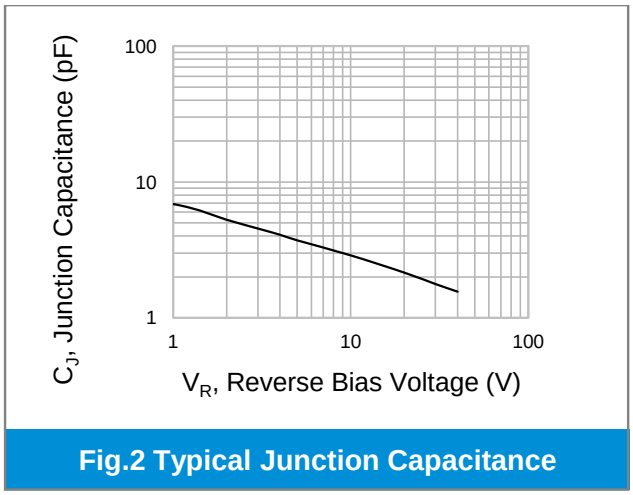


Fig.2 Typical Junction Capacitance

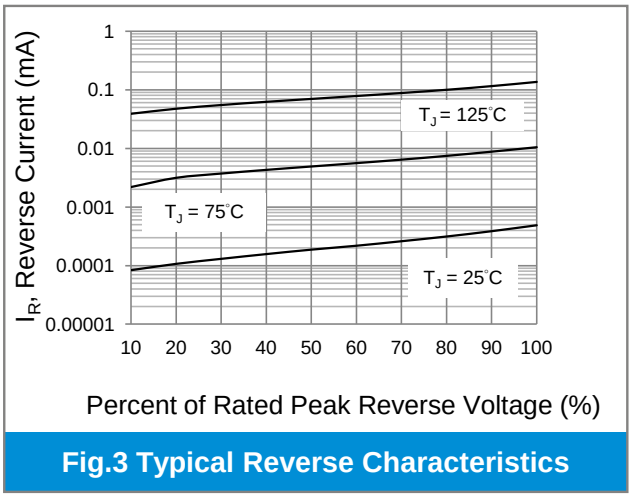


Fig.3 Typical Reverse Characteristics

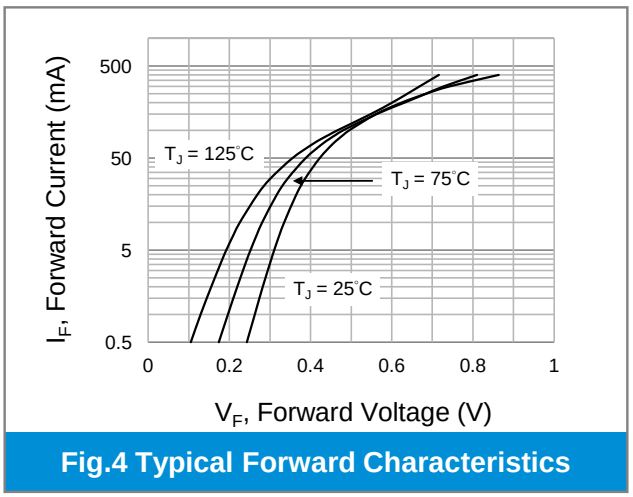


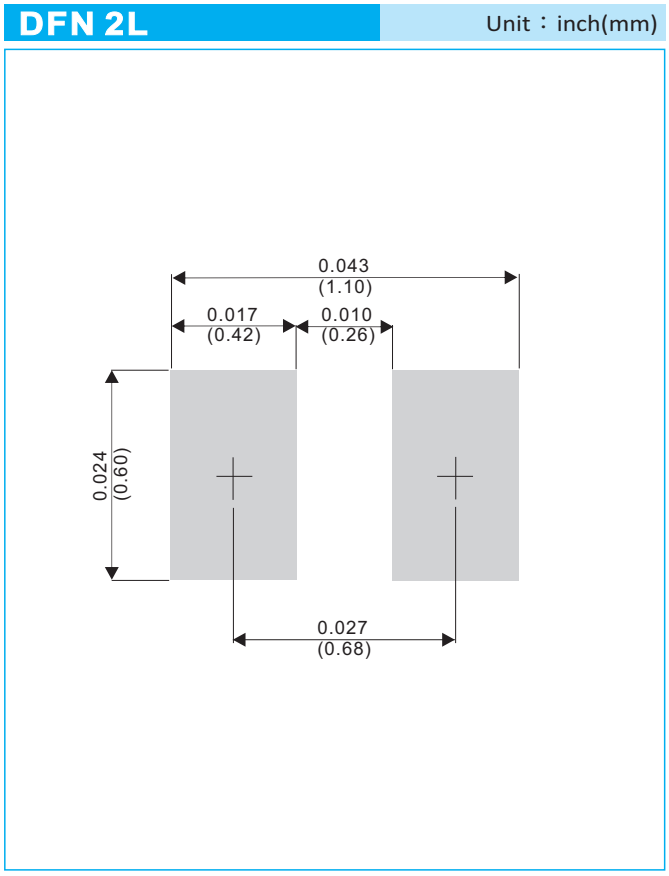
Fig.4 Typical Forward Characteristics

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PART NO PACKING CODE VERSION

Part No Packing Code	Package Type	Packing Type	Marking	Version
1SS417FN2_R1_00001	DFN 2L	8K pcs / 7” reel	7F	Halogen free

MOUNTING PAD LAYOUT



1SS417FN2

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