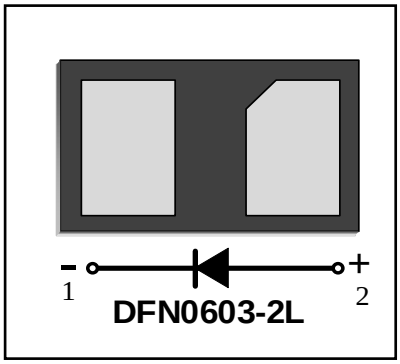
WSR3001SH-AT

Schottky Barrier Diode

Features

- Low forward voltage
- Low reverse current
- RoHS Compliant / Green EMC
- AEC-Q101 Qualified



Applications

- Low Current Rectification
- High efficiency DC-to-DC conversion
- Inverse Polarity Protection
- Switch mode power supply

Absolute Maximum Rating (T_{amb}=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Average Rectified Output Current	I_O	0.1	A
Non-Repetitive Peak Forward Surge Current @ t=8.3ms	I_{FSM}	1.0	A
Power Dissipation	P_D	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Operating Temperature Range	T_J	-40 to +125	°C
Storage Temperature Range	T_{stg}	-40 to +150	°C

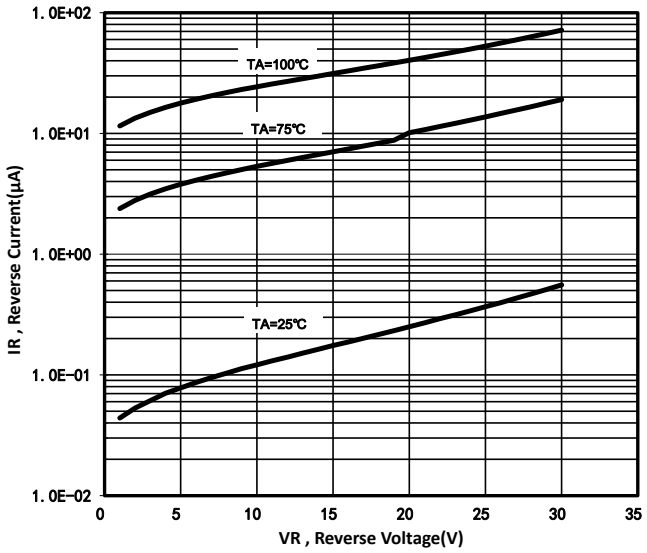
Electrical Characteristics (T_{amb}=25°C unless otherwise specified)

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse current	I_R	V_R = 10V	-	-	5	μA
		V_R = 30V	-	-	10	
Forward voltage	V_F	I_F = 10mA	-	-	0.37	V
		I_F = 100mA	-	-	0.55	
Diode Capacitance	C_D	V_R = 0V,f =1MHz	-	13	-	pF

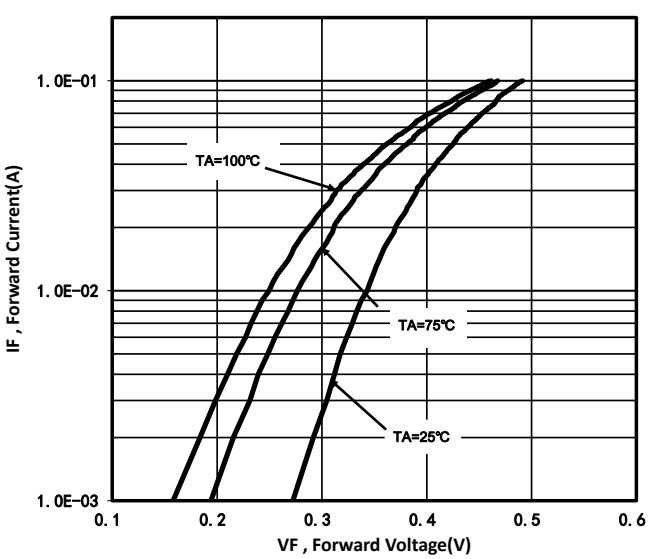
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Typical Characteristics

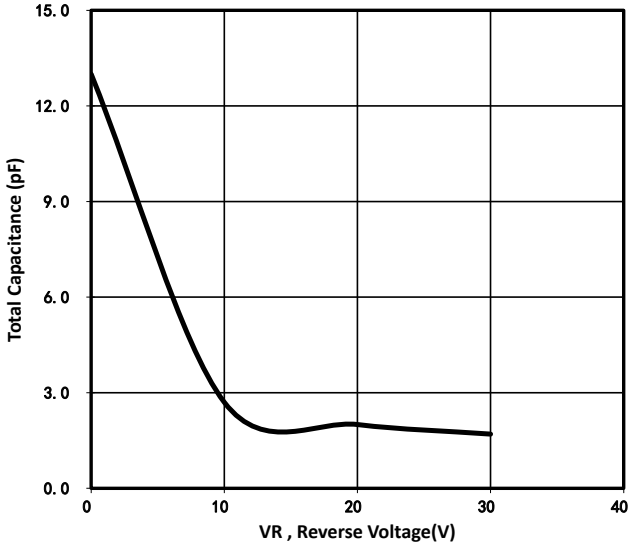
Reverse Characteristics



Forward Characteristics

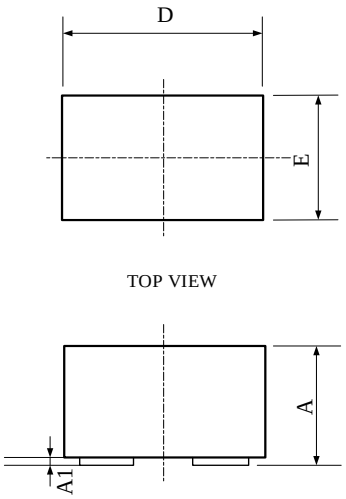


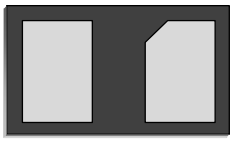
Total Capacitance vs. Reverse Voltage



Outline Drawing –DFN0603-2L

PACKAGE OUTLINE

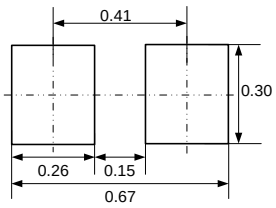




DFN0603-2L

SYMBOL	MILIMETERS	
	MIN	MAX
A	0.28	0.32
A1	0	0.05
b1	0.155	0.205
D	0.59	0.64
e	0.350BSC	
L1	0.045REF	
L2	0.040REF	
E	0.29	0.34
L	0.215	0.265

Land Pattern



Marking Codes

Part Number	WSR3001SH-AT
Marking Code	

Package Information

Qty：15k/Reel

CONTACT INFORMATION

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For additional information, please contact your local Sales Representative.

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Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.