

### Maximum Ratings and Thermal Characteristics (T<sub>A</sub> = 25 °C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNITS
Peak to Peak Voltage (Duty 1 %, 10 KHz)	Vрк-рк	40	V
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	30	V
Maximum RMS Voltage	V <sub>RMS</sub>	21	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	30	V
Maximum Average Forward Rectified Current	I <sub>F(AV)</sub>	0.1	А
Peak Forward Surge Current: 8.3 ms single half sine-wave superimposed on rated load per diode	IFSM	2	A
Typical Junction Capacitance Measured at 1 MHz And Applied $V_R = 4V$	Сл	2	pF
Typical Thermal Resistance per diode	R <sub>0JA</sub> <sup>(1)</sup>	500	°C/W
Operating Junction Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Tstg	-55 to +150	°C



### Electrical Characteristics (T<sub>A</sub> = 25 °C unless otherwise noted)

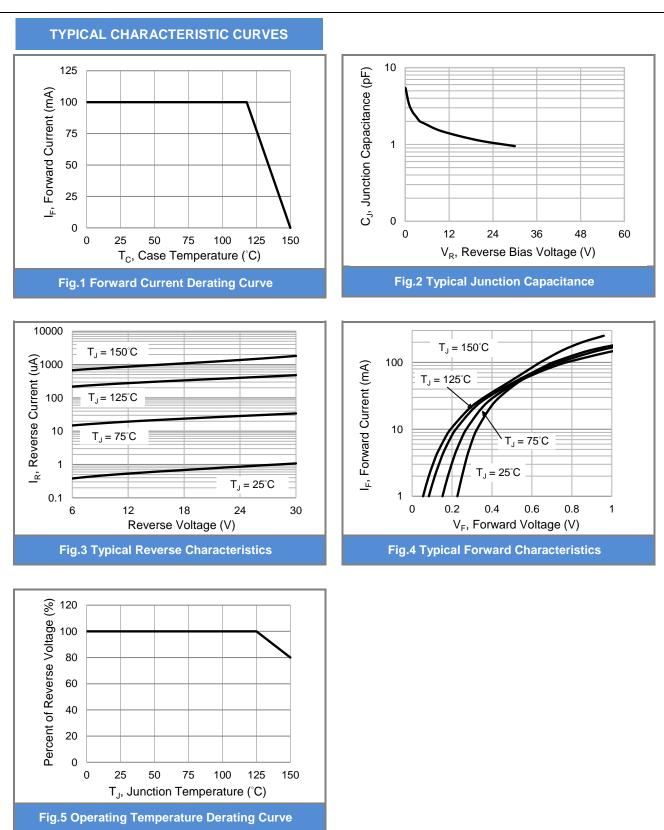
PARAMETER	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNITS
Instantaneous forward voltage	VF	$I_F = 0.01 \text{ A}, \text{ T}_J = 25 ^{\circ}\text{C}$	-	0.33	-	V
		I <sub>F</sub> = 0.1 A, T <sub>J</sub> = 25 °C	-	-	0.8	
		I <sub>F</sub> = 0.01 A, T <sub>J</sub> = 125 °C	-	0.22	-	
		I <sub>F</sub> = 0.1 A, T <sub>J</sub> = 125 °C	-	0.71	-	
Reverse current	<sub>R</sub> <sup>(2)</sup>	V <sub>R</sub> = 10 V, T <sub>J</sub> = 25 °C	-	0.5	-	
		V <sub>R</sub> = 40 V, T <sub>J</sub> = 25 °C	-	-	10	uA

NOTES:

1. Mounted on a FR4 PCB, single-sided copper, mini pad

2. Short duration pulse test used to minimize self-heating effect



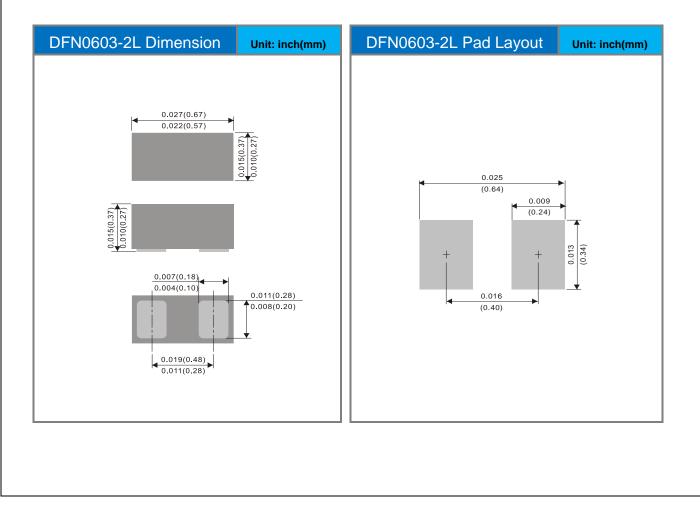




#### **Product and Packing Information**

Part No.	Package Type	Packing Type	Marking
SS0140Q	DFN0603-2L	10K / 7" reel	14

## Packaging Information & Mounting Pad Layout





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