

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

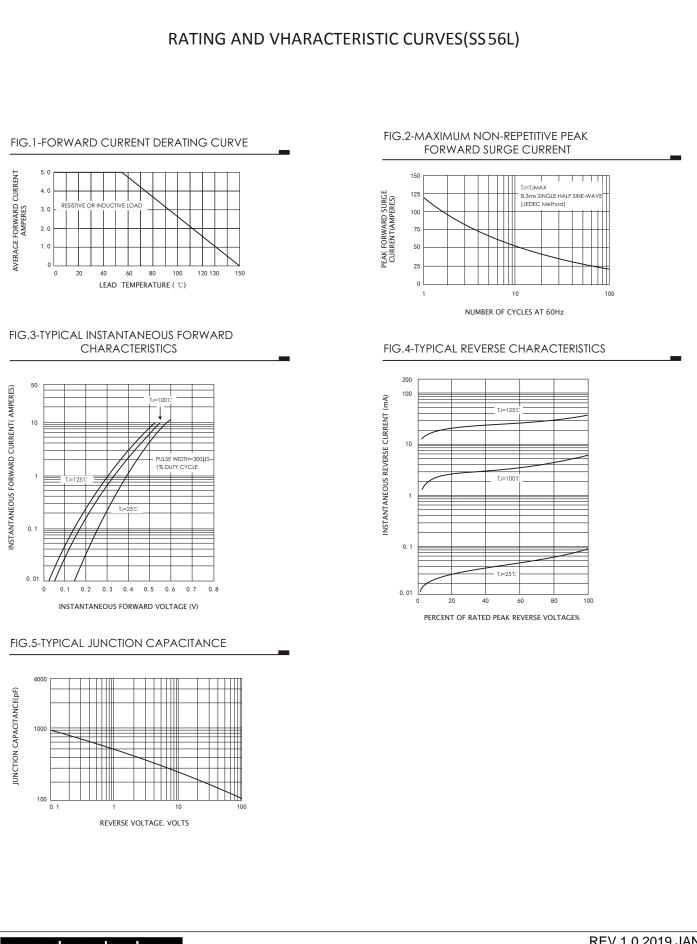
Rating 25 °C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

TYPE NUMBER	SS56L	UNITS
Maximum Recurrent Peak Reverse Voltage	60	V
Maximum RMS Voltage	42	V
Maximum DC Blocking Voltage	60	V
Maximum Average Forward Rectified Current		
See Fig. 1	5.0	A
Peak Forward Surge Current, 8.3 ms single half sine-wave		
superimposed on rated load (JEDEC method)	120	A
Maximum Instantaneous Forward Voltage at 5.0A	0.55	V
Maximum DC Reverse Current Ta=25 °C	0.15	mA
at Rated DC Blocking Voltage Ta=125 °C	30	mA
Typical Junction Capacitance (Note1)	370	pF
Typical Thermal Resistance R JA (Note 2)	88	°C/W
Operating Temperature Range TJ	-55 -+125	°C
Storage Temperature Range Tstg	-55 -+150	C°

NOTES:

1. Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Unit mounted on PC board with 5.0mm $\!\times$ 5.0 mm (0.013 mm thick) copper pads as heat sink



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