

**FEATURES** 

• Marking : 40L



#### MAXIMUM RATINGS@TA=25°C UNLESS OTHERWISE SPECIFIED

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

PARAMETER		VALUE	UNIT
Peak Repetitive Reverse Voltage   Working Peak Reverse Voltage   DC Blocking Voltage	V <sub>RRM</sub> V <sub>RWM</sub> V <sub>R</sub>	40	V
RMS Reverse Voltage	Vr(rms)	28	v
Average Rectified Output Current	I <sub>o</sub>	1	А
Non-Repetitive Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I <sub>FSM</sub>	25	A
Power Dissipation (Note 1)	P <sub>D</sub>	450	mW
Typical Thermal Resistance Junction to Ambient (Note 1)	R <sub>6JA</sub> 222		°C/W
Operating and Storage Temperature Range	$T_{J}$ , $T_{STG}$	-65 to + 125	°C

Notes : 1. FR-4 Board = 70 x 60 x 1mm.



# SS1040L

### ELECTRICAL CHARACTERISTICS (TA= 25°C unless otherwise noted )

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Reverse Breakdown Voltage (Note 2)	V(BR)R	I R=1mA	40	-	-	V
Forward Voltage	VF	I F=0.1A I F=1A I F=3A	- - -	- - -	0.32 0.45 0.75	V
Reverse Leakage Current (Note 2)	l R	VR=40V,TA=25°C VR=40V,TA=100°C VR=4V,TA=25°C VR=4V,TA=100°C VR=6V,TA=100°C VR=6V,TA=25°C VR=6V,TA=100°C	- - - - -	- 8.5 10 1 15 1.5	220 - 50 - 75 -	μΑ mA μA mA μA
Total Capacitance	Ст	V <sub>R</sub> =4V,f=1MHz	-	50	-	рF

Notes : 2. Short duration pulse test used to minmize self-heating effect. 3. Mounted on metal core PCB.







### SS1040L

#### MOUNTING PAD LAYOUT



#### ORDER INFORMATION

Packing information

T/R - 10K per 13" plastic Reel

T/R - 3K per 7" plastic Reel







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