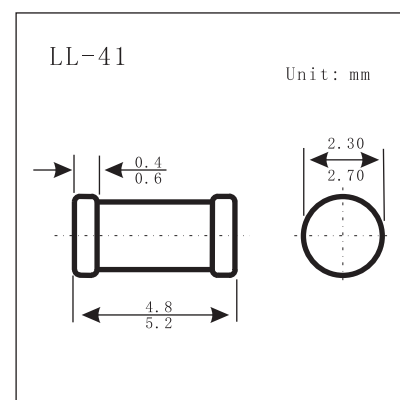


Surface Mount Schottky Barrier Rectifiers

KLL5817 - KLL5819

■ Features

- Surge Overload Ratings to 25 Amperes Peak
- Ideal for Printed Circuit Board
- Reliable Low Cost Construction Utilizing Molded Plastic Technique
Results in Inexpensive Product



■ Maximum Ratings and Electrical Characteristics @ Ta = 25°C

Parameter	Symbol	Rating			Unit
		KLL5817	KLL5818	KLL5819	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	20	30	40	V
Maximum RMS Voltage	V _{RMS}	14	21	28	V
Maximum DC Blocking Voltage	V _{DC}	20	30	40	V
Maximum Average Forward Rectified Current @T _L = 90℃	I(AV)	1.0			A
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	25			A
Maximum DC Reverse Current @ T _A = 25℃ at Rated DC Blocking Voltage @ T _A = 100℃	I _R	1.0			mA
		10			
Maximum Instantaneous Forward Voltage @ 1.0A @ 3.0A	V _F	0.45	0.55	0.60	V
		0.75	0.875	0.90	
Typical Junction Capacitance (*1)	C _J	110			pF
Typical Thermal Resistance (*2)	R θ JA	80			℃/W
Operating and Storage Temperature Range	T _J ,T _{STG}	-65 to +125 / -65 to +150			℃

*1. Measured at 1MHz and Applied Reverse Voltage of 4.0 Volts D.C.

*2. Thermal Resistance Junction to Ambient.