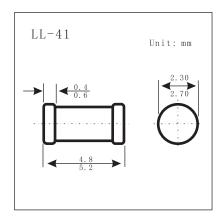
SMD Type Diodes

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	Offic
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	V
Maximum RMS Voltage	VRMS	14	21	28	V
Maximum DC Blocking Voltage	VDC	20	30	40	V
Maximum Average Forward Rectified Current @TL = 90 ℃	I(AV)	1.0			А
Peak Forward Surge Current, 8.3ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	IFSM	25			А
Maximum DC Reverse Current @ TA = 25°C	lr	1.0			mA
at Rated DC Blocking Voltage @ Ta = 100 ℃	IK	10			
Maximum Instantaneous Forward Voltage @1.0A	VF	0.45	0.55	0.60	V
@ 3.0A		0.75	0.875	0.90	
Typical Junction Capacitance (*1)	CJ	110			pF
Typical Thermal Resistance (*2)	R θ JA	80			°C/W
Operating and Storage Temperature Range	Тj,Тsтg	-65 to +125 / -65 to +150			°C

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

^{*2.} Thermal Resistance Junction to Ambient.