/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	BRDSL24WQ	Unit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	V
Maximum RMS Voltage	V_{RMS}	28	V
Maximum DC Blocking Voltage	V_{DC}	40	V
Maximum Average Forward Rectified Current	$I_{F\ AV}$	2	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load	I_{FSM}	50	A
Typical Junction Capacitance [1]	C_i	290	pF
Typical Thermal Resistance(2)	$R_{\theta JA}$	70	/W
Operating Junction Temperature Range	T_j	-55~+125	
Storage Temperature Range	T_{stg}	-55~+150	

Note:

1 Measured at 1MHz and applied reverse voltage of 4 V D.C.

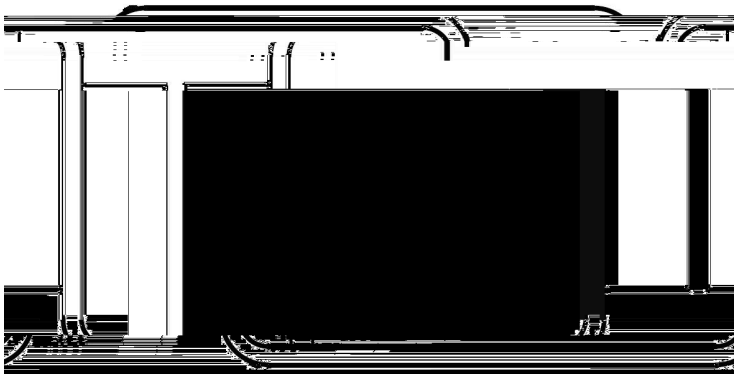
2)P.C.B. mounted with 2.0" X 2.0" (5 X 5 cm) copper pad areas.

/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	BRDSL24WQ	Unit
Maximum Instantaneous Forward Voltage	V_F	I_F=2.0A	0.45	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	I_R	T_a=25	0.5	mA
		T_a=100	10	

BRDSL24WQ

/ Marking Instructions



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Note:

	Product Type Code
Q:	Automobile halogen-free product Code
****	Lot No. Code, code change with Lot No