

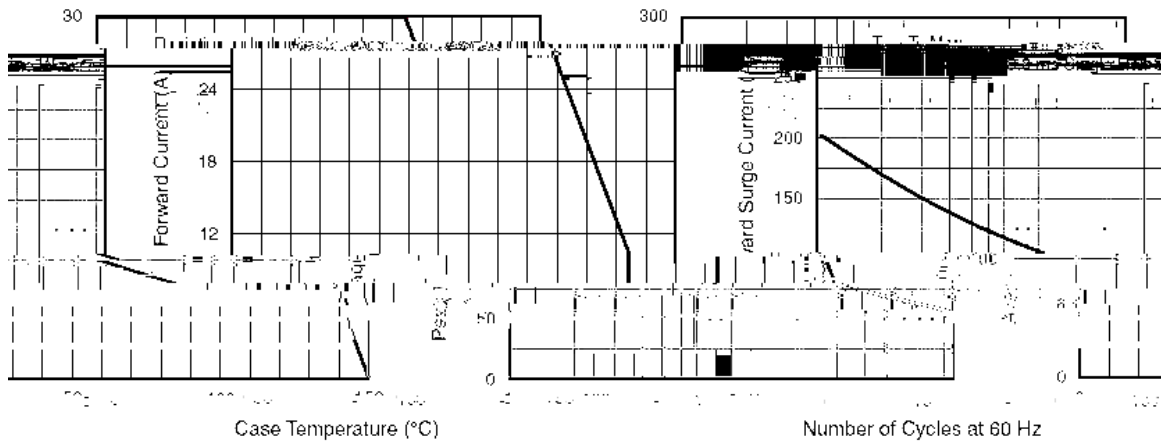
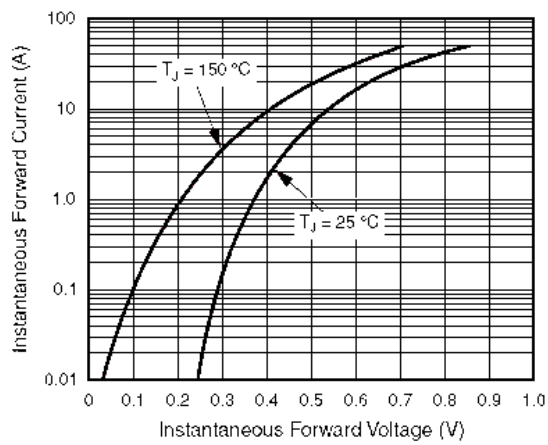
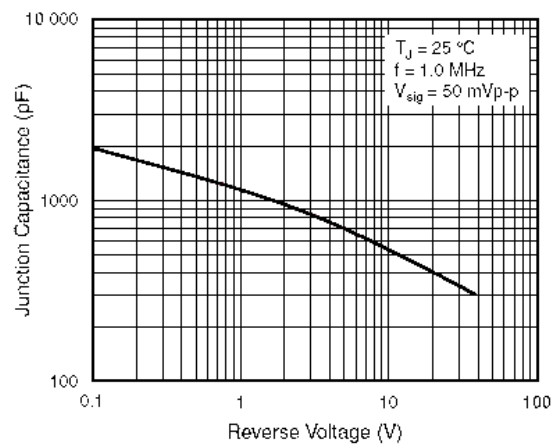
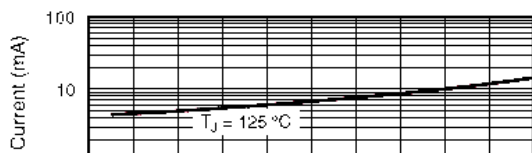
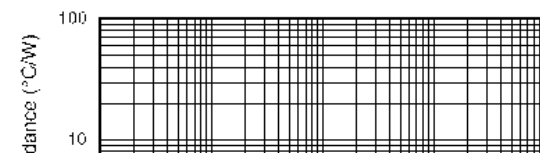
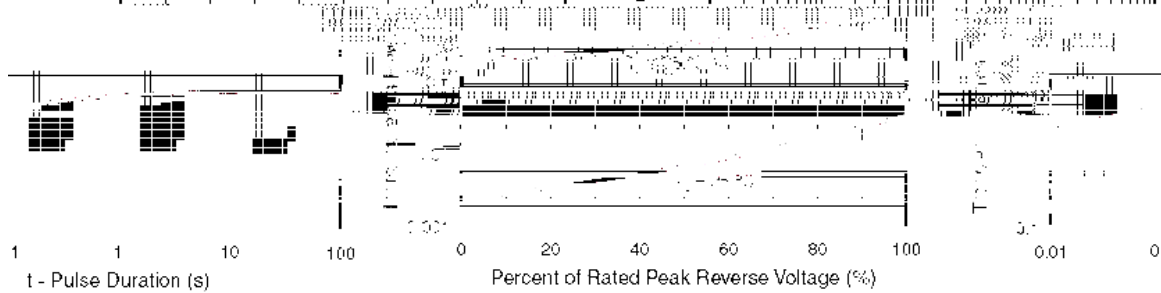
/ Absolute Maximum Ratings(Ta=25)

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	45	V
Peak Repetitive Forward Current	$I_{F(AV)}$	15	A
	$I_{F(AV)}$ total device	30	A
Non-Repetitive Peak Forward Surge Current	I_{FSM}	200	A
Repetitive Peak Reverse Surge Current	I_{RRM}	2.0	A
Thermal Resistance Junction to Case	$R_{\theta JC}$	1.5	/W
Junction Temperature Range	T_j	150	
Storage Temperature Range	T_{stg}	-65 150	

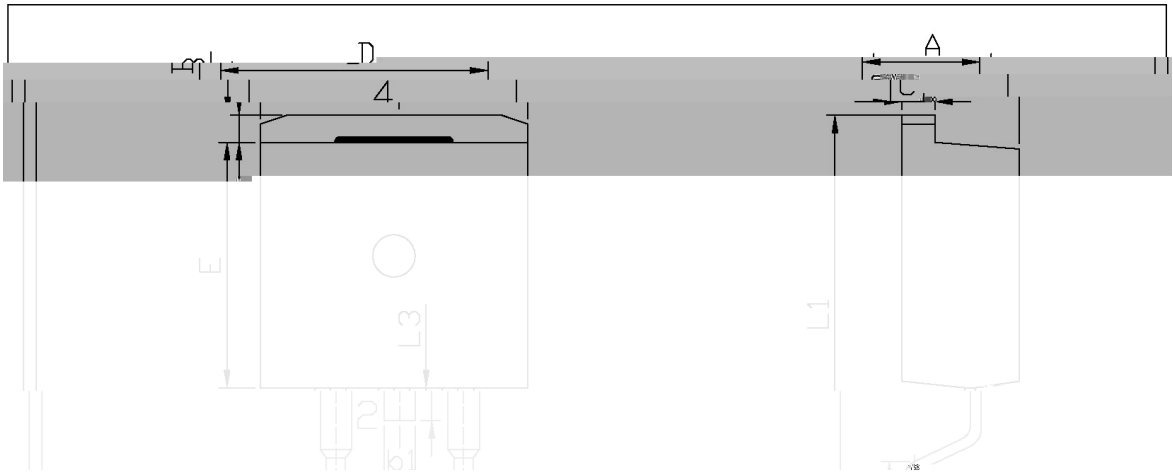
/ Electrical Characteristics(Ta=25)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Forward Voltage	V_F	$I_F=30A(T_c=25)$			0.76	V
		$I_F=20A(T_c=125)$			0.60	V
		$I_F=30A(T_c=125)$			0.72	V
Instantaneous Reverse Current	I_R	$T_j=25$			1.0	mA
		$T_j=125$			60	mA
Voltage Rate of Change	dv/dt				10000	V/ μ s

/ Electrical Characteristic Curve



/ Package Dimensions



Max		Min		Max		Min	
9.40		4.30		4.70		9.00	
2.74		1.00		1.40		2.24	
8.00		16.00		b1		1.15	

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