

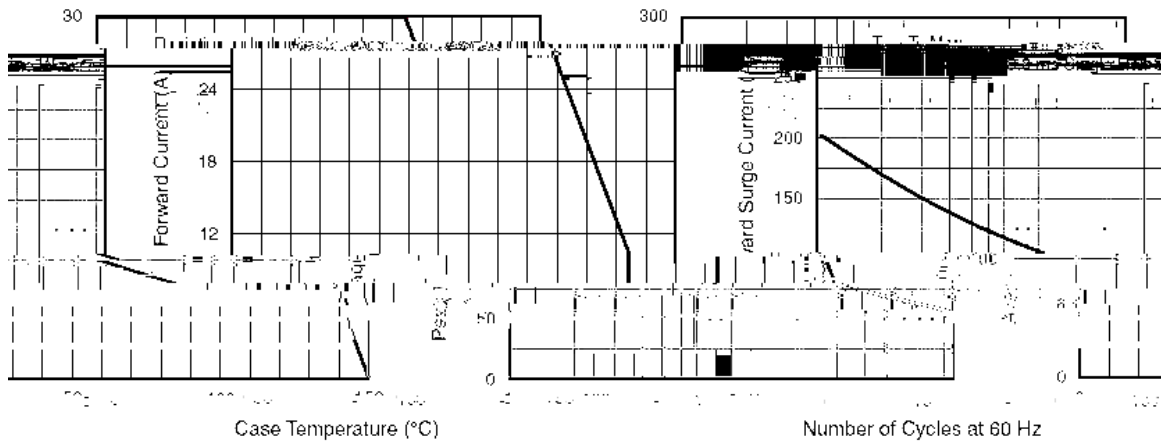
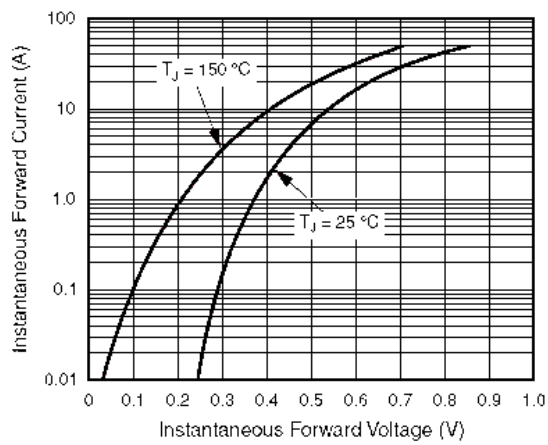
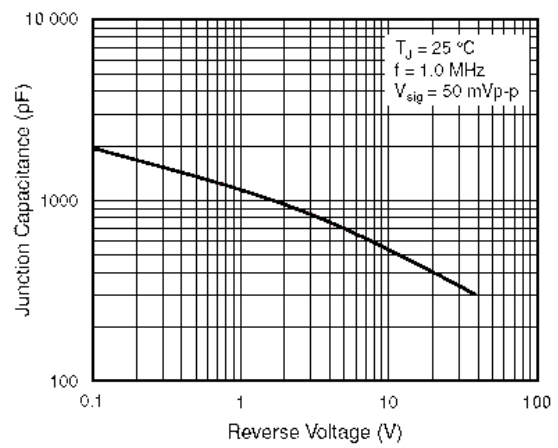
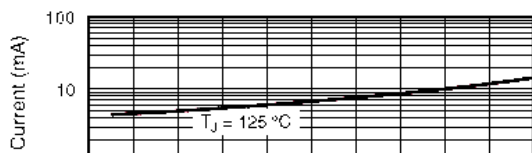
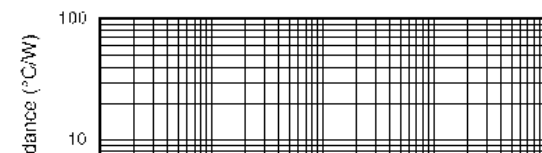
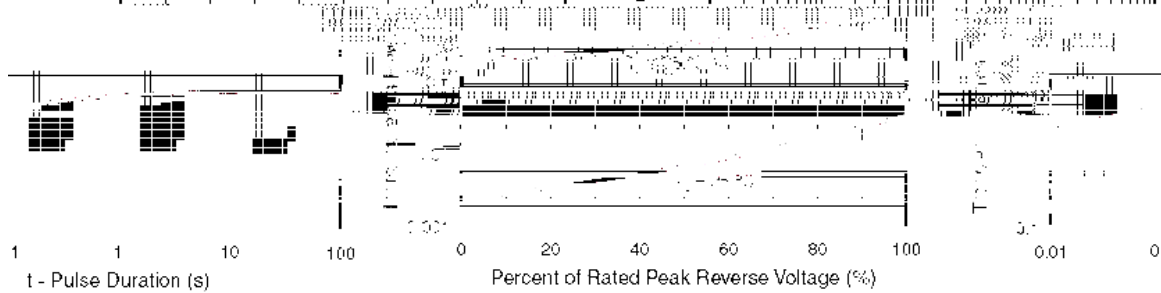
/ Absolute Maximum Ratings(Ta=25)

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	

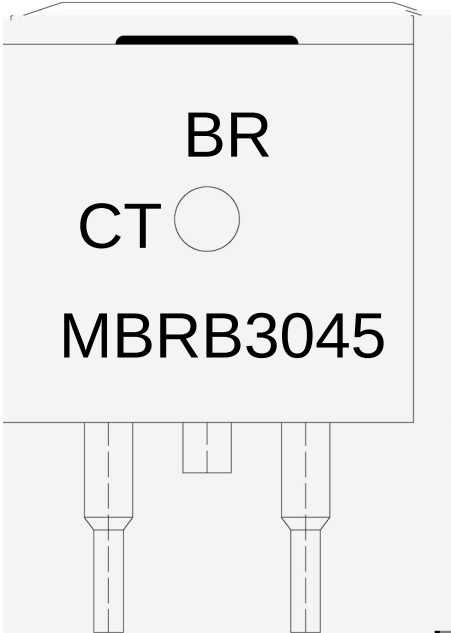
/ Electrical Characteristics(Ta=25)

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/ μs

/ Electrical Characteristic Curve



/ Marking Instructions



٠ " χ	
EU χ	ꠤ ٣ " ꠤ
P EUE6378 χ	ꠤ ٢ β ٣ N
FW:	ꠤ ٧ ٧ ꠤ =
---- χ	ꠤ ١ ٢ ꠤ N ꠤ ١ ٢ ꠤ N ψ ꠤ
Note:	
BR:	Company Code
MBRB3045 χ	Product Type.
CT:	Internal Structure
***:	Lot No. Code, code change with Lot No.

MBRB3045CT
Rev.A Nov.-2016