

Thermal Characteristics ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Value	Units
Maximum Thermal Resistance (Junction to Case)	$R\theta_{JC}$	2.0	$^\circ\text{C} / \text{W}$
Operating & Storage Junction Temperature	T_J	175	$^\circ\text{C}$
	T_{STG}	- 65 to +175	

NOTE : 1. Thermal resistance from junction to case per leg, with heatsink(1.35" x 0.95" x 0.18") Al-plate.

Ratings and Characteristics Curves ($T_A = 25^\circ\text{C}$ unless otherwise specified)

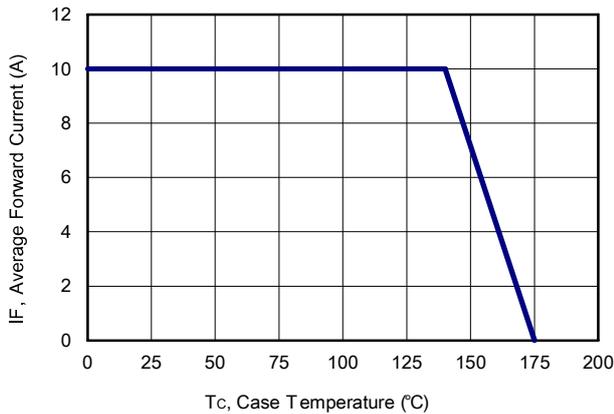


Figure 1: Current Derating Curves

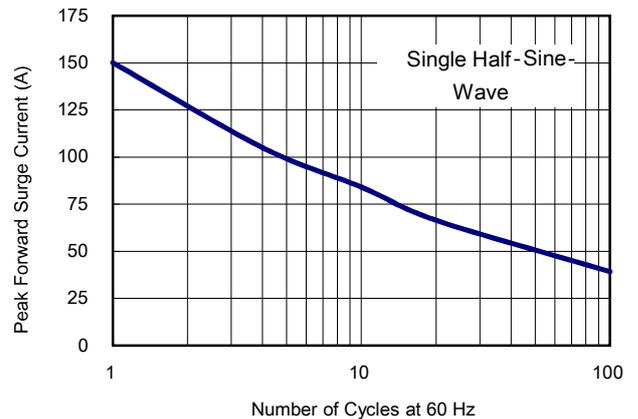


Figure 2: Peak Forward Surge Current (Per Leg)

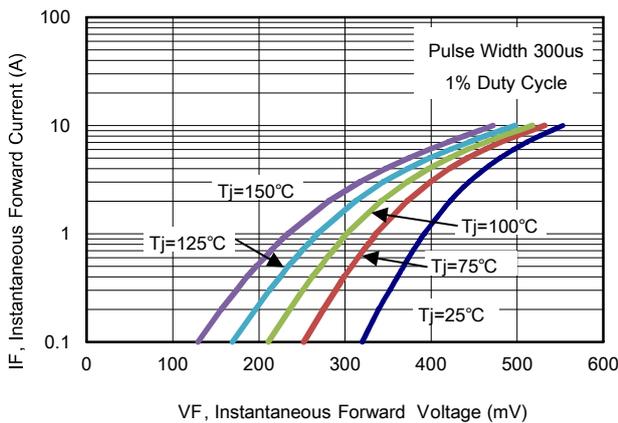


Figure 3: Typical Forward Characteristics (MBRF2040CT) (Per Leg)

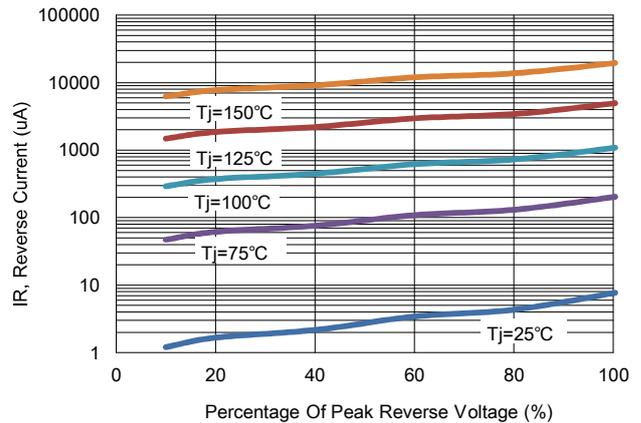


Figure 4: Typical Reverse Characteristics (MBRF2040CT) (Per Leg)

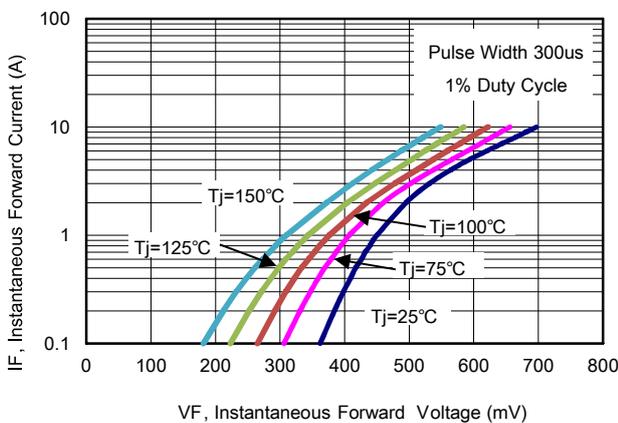


Figure 5: Typical Forward Characteristics (MBRF2060CT) (Per Leg)

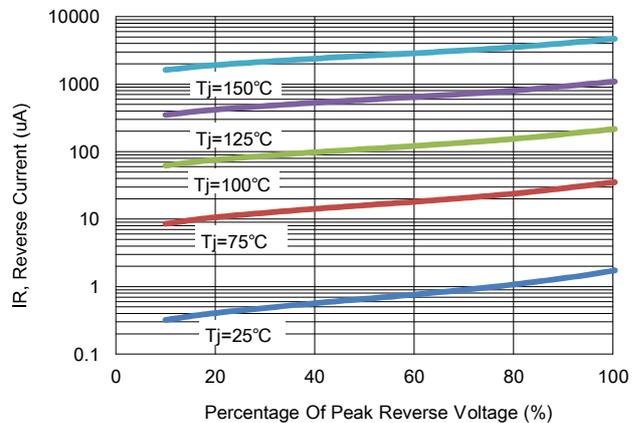
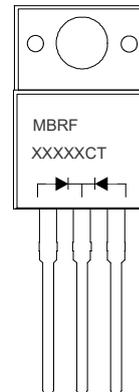


Figure 6: Typical Reverse Characteristics (MBRF2060CT) (Per Leg)

Company reserves the right to improve product design , functions and reliability without notice.

Marking Code

Part Number	Marking code
MBRF2040CT-HF	MBRF2040CT
MBRF2060CT-HF	MBRF2060CT



XXXXX = Product type marking code

Standard Packaging

Case Type	TUBE PACK	
	TUBE (pcs)	BOX (pcs)
TO-220AB	50	2,000