



## Maximum Ratings

Symbol	Conditions	Values	Units
$V_R$		200	V
$I_{F(AV)}$	$T_C=125^{\circ}\text{C}$ , Per Leg	200	A
	$T_C=125^{\circ}\text{C}$ , Per Module	400	A
$I_{FSM}$	1/2 Cycle , 60Hz, Sine	3000	A
$I^2t$	$T_J=45^{\circ}\text{C}$ , $t=8.3\text{ms}$ , 60Hz, Sine	45000	$\text{A}^2\text{s}$
$T_J$		-40 to +175	$^{\circ}\text{C}$
$T_{STG}$		-40 to +175	$^{\circ}\text{C}$
Torque	RecommendedHM6H	4.5	N·m
Torque	RecommendedHM6H	4.5	N·m
Weight		65	g

## Thermal Characteristics

Symbol	Conditions	Values	Units
$R_{th(j-c)}$	Per diode	0.3	/W

## Electrical Characteristics



Performance Curves

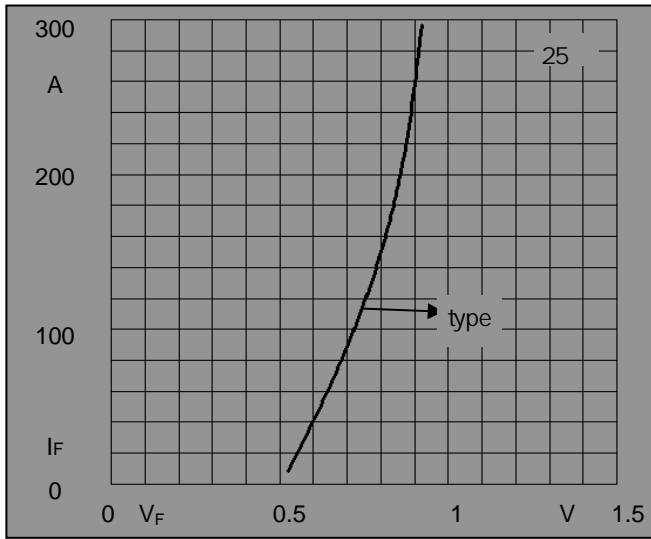


Fig1. Forward Voltage Drop vs Forward Current

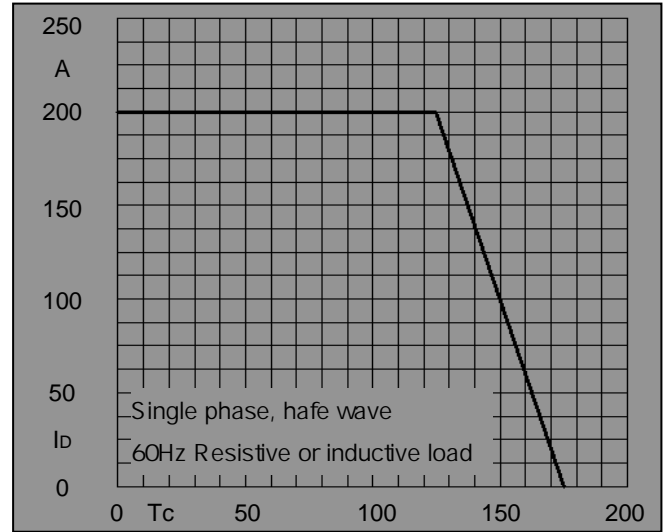


Fig2. Forward Current Derating Curve

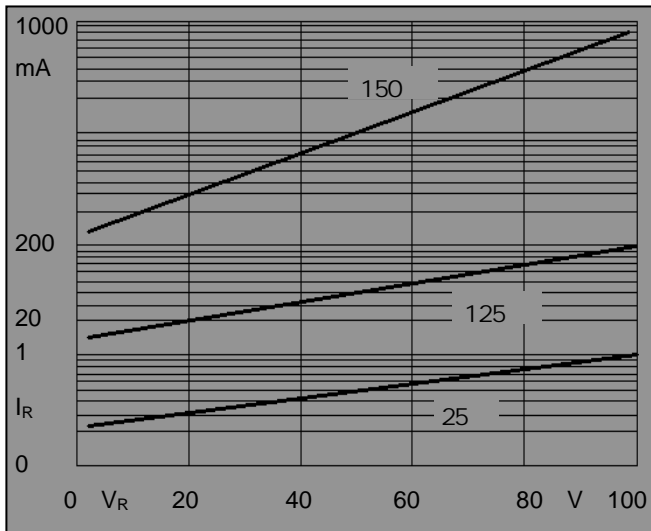


Fig3. Typical Reverse Current

