



### Block Diagram

MD8  
MD8  
MD80  
MD80  
MD80

### Maximum Ratings

Symbol	Conditions	Values	Units
$I_{FAV}$			
$I_{FSM}$			
$i^2t$			
$V_{isol}$			V
$T_{vj}$		-40 to 150	
$T_{stg}$		-40 to 125	
$M_t$	To terminals(M12)	14±15%	Nm
$M_s$	To heatsink(M8)	10±15%	Nm
Weight	Module (Approximately)	3400	g

### Thermal Characteristics

Symbol	Conditions	Values	Units
$R_{th(j-c)}$	per diode	0.05	/W
$R_{th(c-s)}$	per diode	0.02	/W

### Electrical Characteristics

Symbol	Conditions	Values			Units
		Min.	Typ.	Max.	
$V_{FM}$	$T=25$ $I_F=2400A$			1.4	V
$I_{RRM}$	$T_{vj}=T_{vjM}$ $V=V_{RRM}$			30	mA
$V_{FO}$	$T_{vj}=T_{vjM}$			0.78	V
$r_F$	$T_{vj}=T_{vjM}$			0.18	m



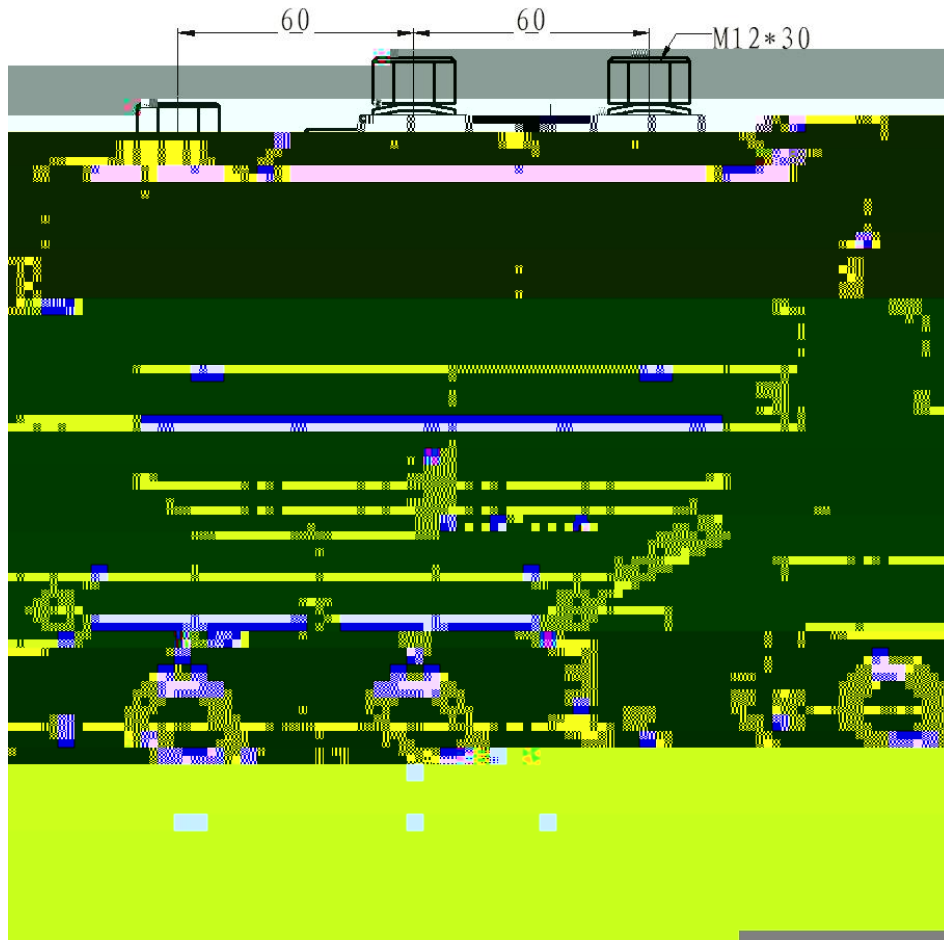
# MD800C(A/K)-D8



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## Package Outline Information

CASE: D8



Dimensions in mm

Unmarked dimensional tolerance  $\pm 0.5\text{mm}$