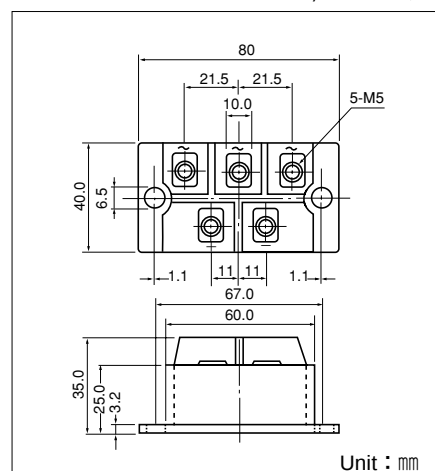


DF60AA120/160

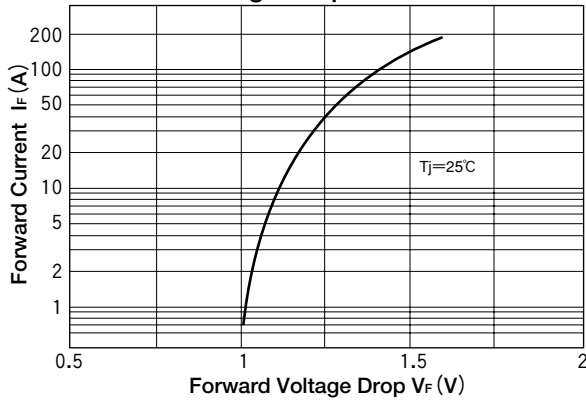


Symbol	Item	Ratings		Unit
		DF60AA120	DF60AA160	
V _{RRM}	Repetitive Peak Reverse Voltage	1200	1600	V
V _{RSM}	Non-Repetitive Peak Reverse Voltage	1300	1700	V

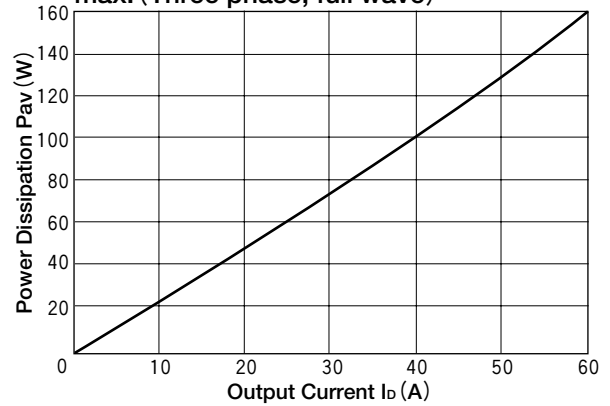
Symbol	Item		Conditions	Ratings	Unit
I _D	Output current (D.C.)		Three phase. full wave. T _c =112℃	60	A
I _{FSM}	Surge Forward Current		1 cycle, 50/60Hz, peak value, non-repetitive	910/1000	A
T _j	Junction Temperature			-40 to +150	℃
T _{stg}	Storage Temperature			-40 to +125	℃
V _{iso}	Isolation Breakdown Voltage (R.M.S.)		Main Terminal to case 1minute	2500	V
	Mounting Torque	Mounting (M6)	Recommended Value 2.5-3.9 (25-40)	4.7 (48)	N·m (kgf·cm)
		Terminal (M5)	Recommended Value 1.5-2.5 (15-25)	2.7 (28)	
	Mass		Typical Value	200	g

Symbol	Item	Conditions	Ratings	Unit
I_{RRM}	Repetitive Peak Reverse Current, max.	$T_J=150^{\circ}\text{C}$ at V_{RRM}	12.0	mA
V_{FM}	Forward Voltage Drop, max.	$I_{FM}=60\text{A}$, $T_J=25^{\circ}\text{C}$ Inst. measurement	1.3	V
$R_{th(j-c)}$	Thermal Impedance, max.	Junction to case	0.24	$^{\circ}\text{C/W}$

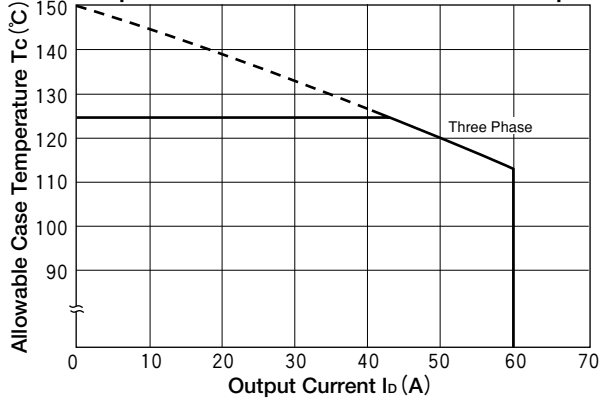
Forward Voltage Drop max.



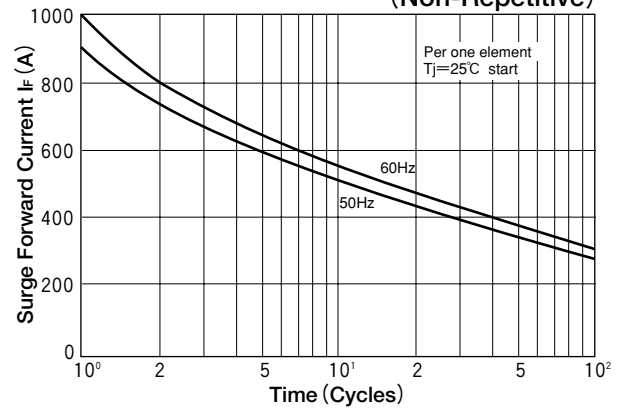
Output Current vs. Power Dissipation, max. (Three phase, full wave)



Output Current vs. Allowable case Temp



Cycle Surge Forward Current Rating (Non-Repetitive)



Transient Thermal Impedance (max)

