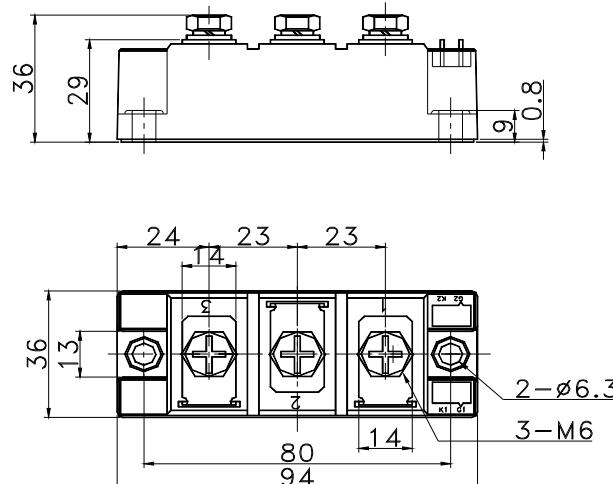
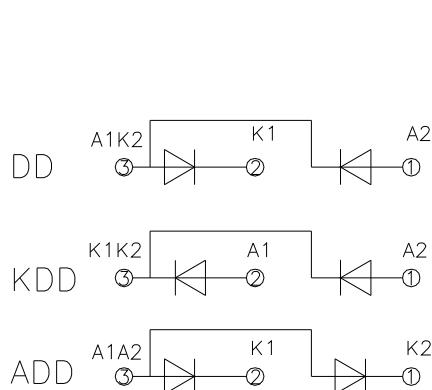


DD160 ADD160 KDD160

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T_J (°C)	VALUE			UNIT
				Min	Type	Max	
$I_{F(AV)}$	Mean forward current	180° half sine wave 50Hz Single side cooled, $T_C=100^\circ\text{C}$	150			160	A
I_F (RMS)	RMS forward current	Single side cooled, $T_C=100^\circ\text{C}$	150			251	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms $V_{RsM}=V_{DRM} \& V_{RRM}+200\text{V}$	150	600		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			12	mA
I_{FSM}	Surge forward current	10ms half sine wave	150			6.00	KA
I^2t	I^2t for fusing coordination	$V_R=0.6V_{RRM}$				184	$\text{A}^2\text{s} * 10^3$
V_{FO}	Threshold voltage		150			0.80	V
r_F	Forward slop resistance					1.35	$\text{m}\Omega$
V_{FM}	Peak forward voltage	$I_{FM}=480\text{A}$	25			1.56	V
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	At 180° sine Single side cooled				0.230	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, $I_{iso}:1\text{mA(max)}$		2500			V
F_m	Terminal connection torque(M5)				3.0		N·m
	Mounting torque(M6)				3.0		N·m
T_{Stg}	Stored temperature			-40		125	°C
W_t	Weight				320		g
Outline				214F3			

OUTLINE DRAWING & CIRCUIT DIAGRAM



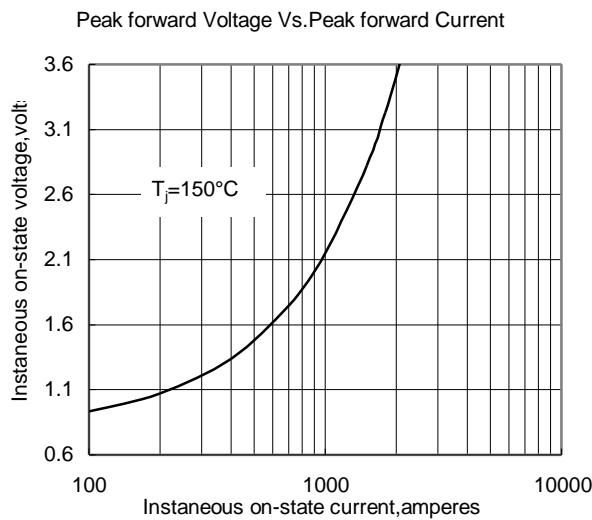


Fig.1

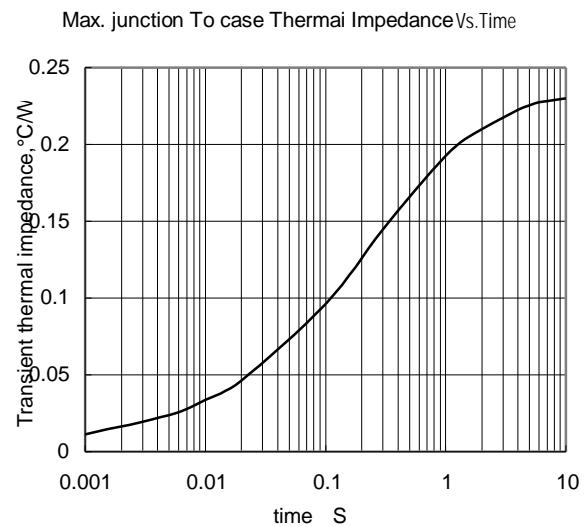


Fig.2

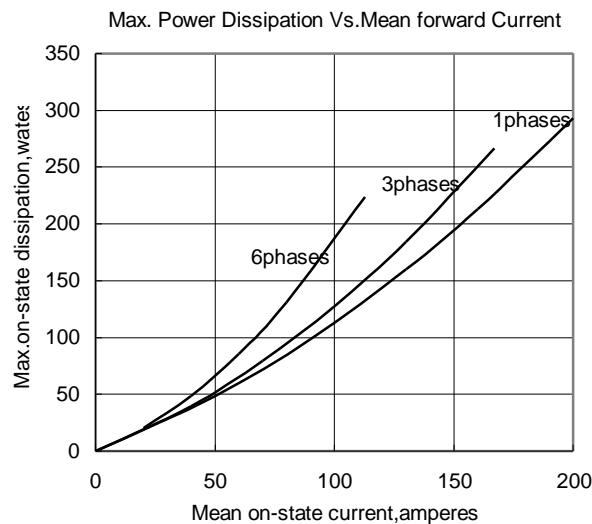


Fig.3

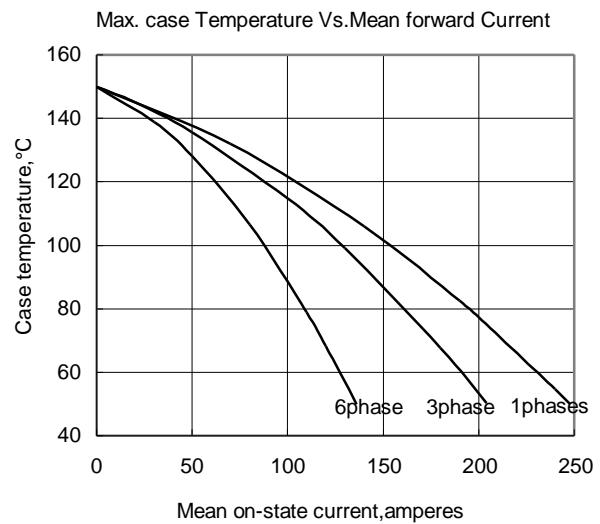


Fig.4

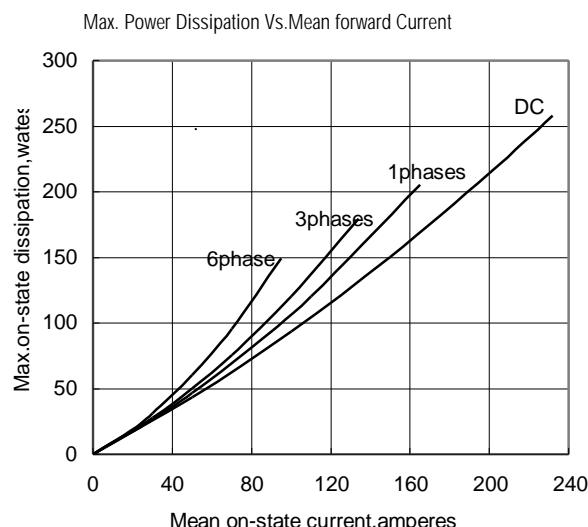


Fig.5

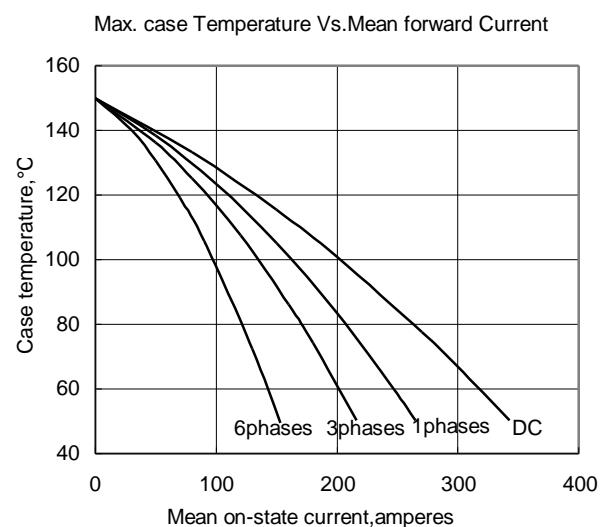


Fig.6