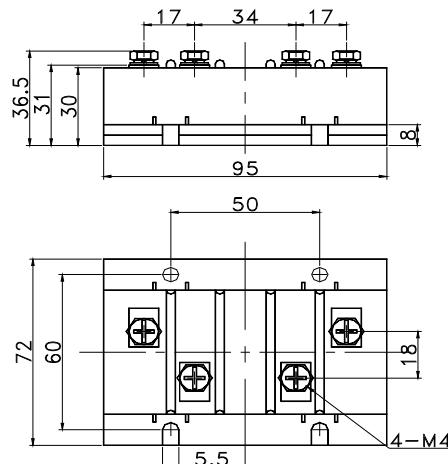
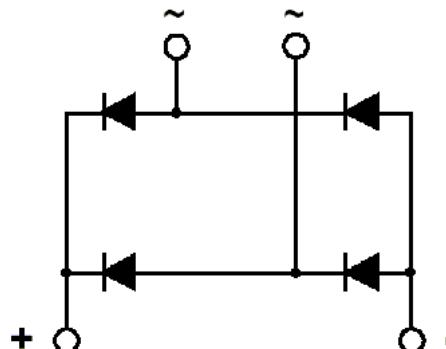


2D150

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	$T_J$ (°C)	VALUE			UNIT
				Min	Type	Max	
$I_o$	DC output current	Single-phase full wave rectifying circuit, $T_c=100^\circ\text{C}$	150			150	A
$V_{RRM}$	Repetitive peak reverse voltage	$V_{RRM} \text{ tp}=10\text{ms}$ $V_{RsM}=V_{DRM} \& V_{RRM}+200\text{V}$	150	600		1800	V
$I_{RRM}$	Repetitive peak current	at $V_{RRM}$	150			10	mA
$I_{FSM}$	Surge forward current	10ms half sine wave	150			2.50	KA
$I^2t$	$I^2T$ for fusing coordination	$V_R=0.6V_{RRM}$				31.8	$\text{A}^2\text{s} \times 10^3$
$V_{FO}$	Threshold voltage		150			0.80	V
$r_F$	Forward slop resistance					3.8	$\text{m}\Omega$
$V_{FM}$	Peak forward voltage	$I_{FM}=225\text{A}$	25			1. 655	V
$R_{th(j-c)}$	Thermal resistance Junction to heatsink	Single side cooled				0.150	°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(M4)					1.5	N·m
	Mounting torque(M6)					3.0	N·m
$T_{Stg}$	Stored temperature			-40		125	°C
$W_t$	Weight				430		g
Outline				410F4			

## OUTLINE DRAWING &amp; CIRCUIT DIAGRAM



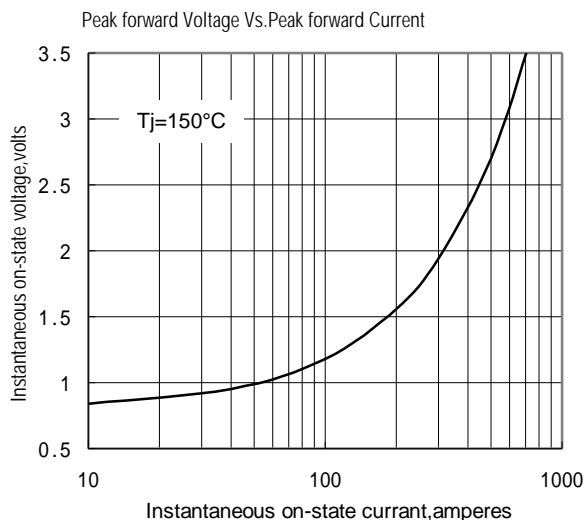


Fig.1

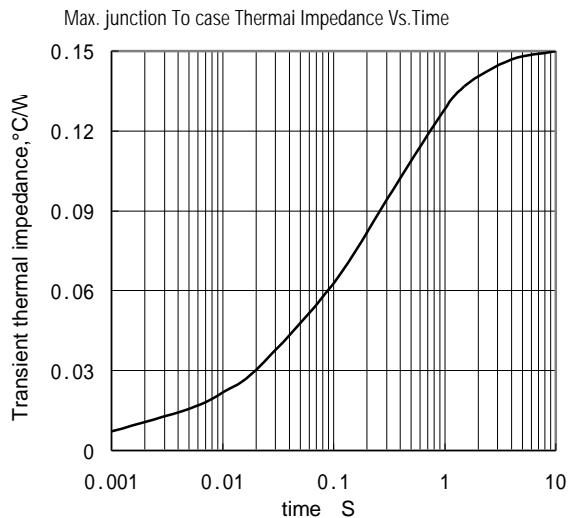


Fig.2

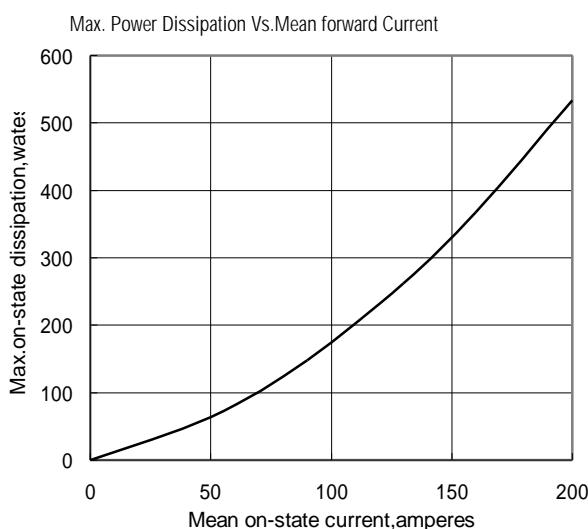


Fig.3

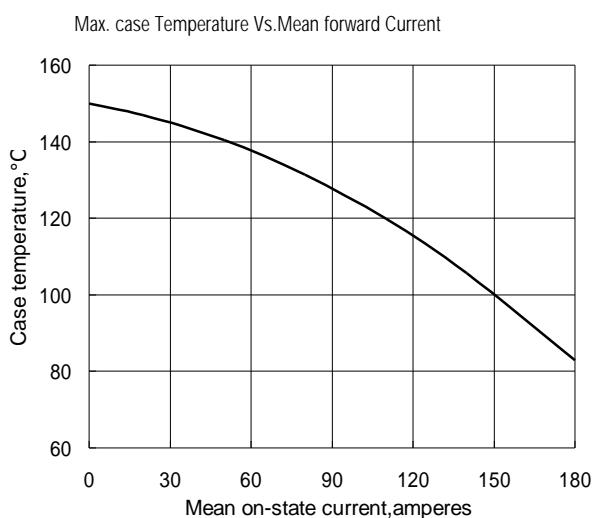


Fig.4

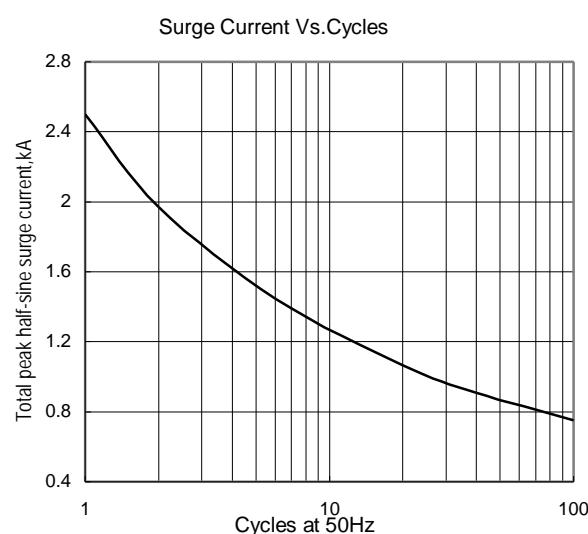


Fig.5

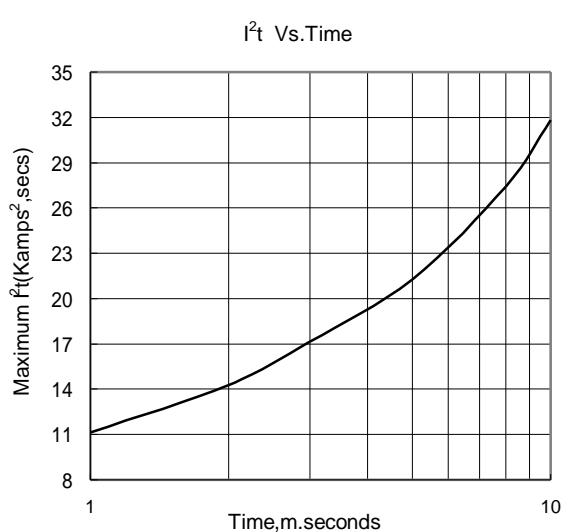


Fig.6