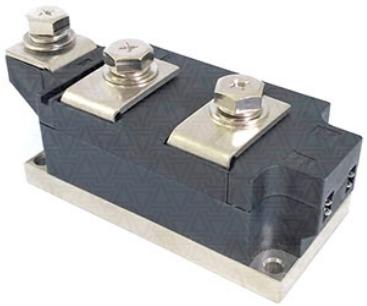
АС ЭНЕРГИЯ

Модуль диодный
МДД-800-24



Средний прямой ток				I_{FAV}		800 A			
Повторяющееся импульсное обратное напряжение				U_{RRM}		800 - 2400 В			
U_{RRM}, В	800	1000	1200	1400	1600	1800	2000	2200	2400
Класс по напряжению	8	10	12	14	16	18	20	22	24
T_j, °C	– 60 ÷ 150								

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°C	150			800	A
$I_{F\ (RMS)}$	RMS forward current		150			1256	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+100V	150	800		2400	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			45	mA
I_{FSM}	Surge forward current	10ms half sine wave V_R=0.6V_{RRM}	150			22.0	KA
I^2t	I^2T for fusing coordination					2420	A^2s*10^3
V_{FO}	Threshold voltage		150			0.72	V
r_F	Forward slop resistance					0.18	mΩ
V_{FM}	Peak forward voltage	I_{FM}=2400A	25			1.80	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180^0 sine, Single side cooled				0.058	°C /W
$R_{th(c-h)}$	Thermal resistance case to heat sink	At 180^0 sine, Single side cooled				0.020	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min, I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M12)				14		N·m
	Mounting torque(M8)				12		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				3500		g
Outline	MTD7						

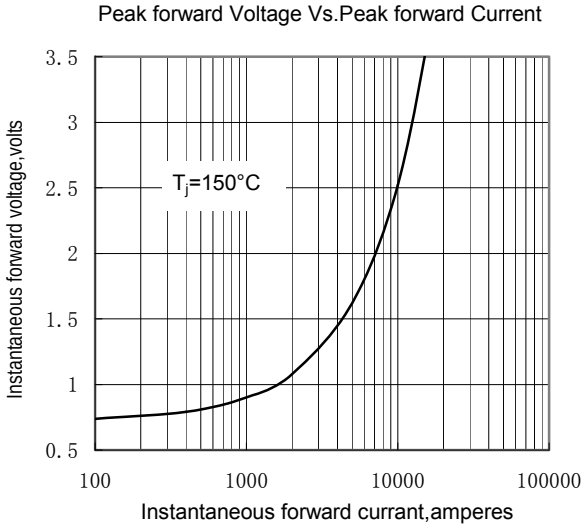


Fig.1

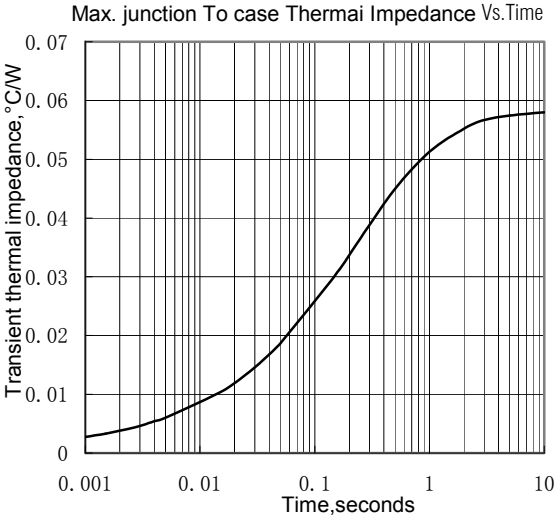


Fig.2

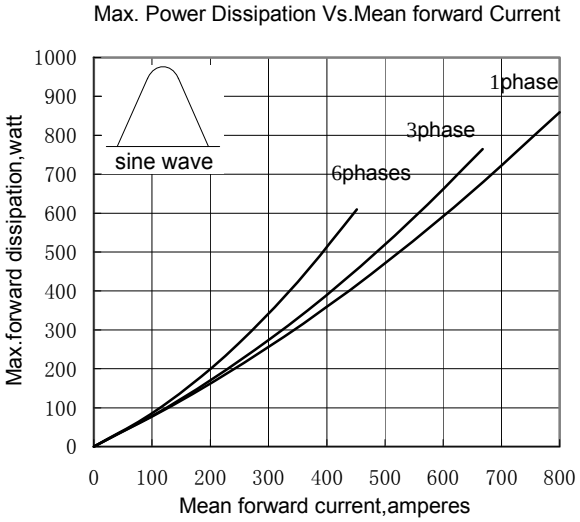


Fig.3

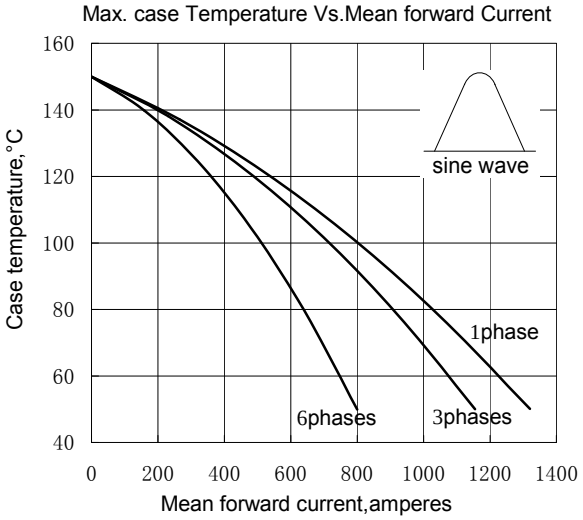


Fig.4

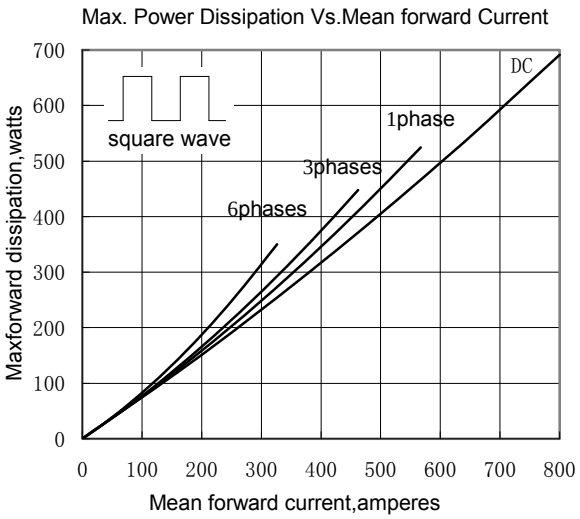


Fig.5

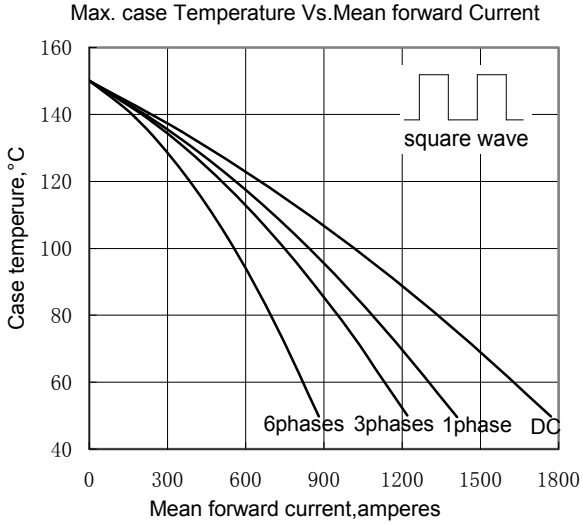


Fig.6

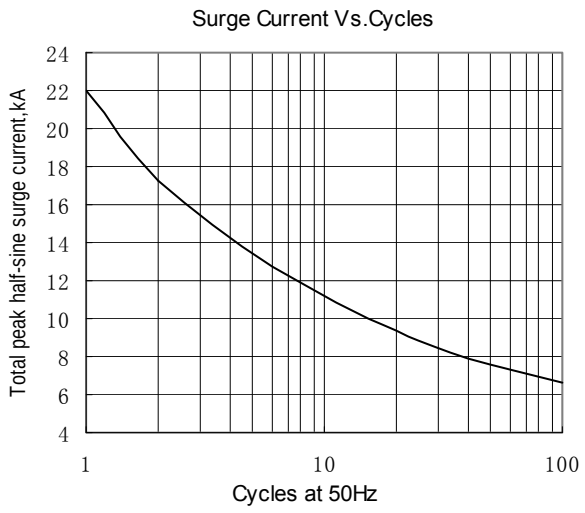


Fig.7

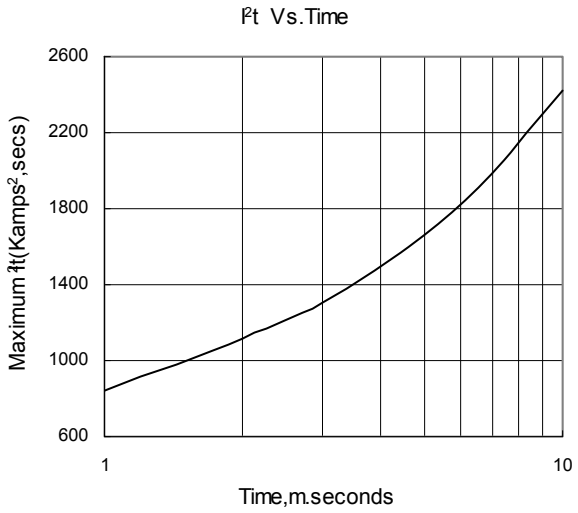
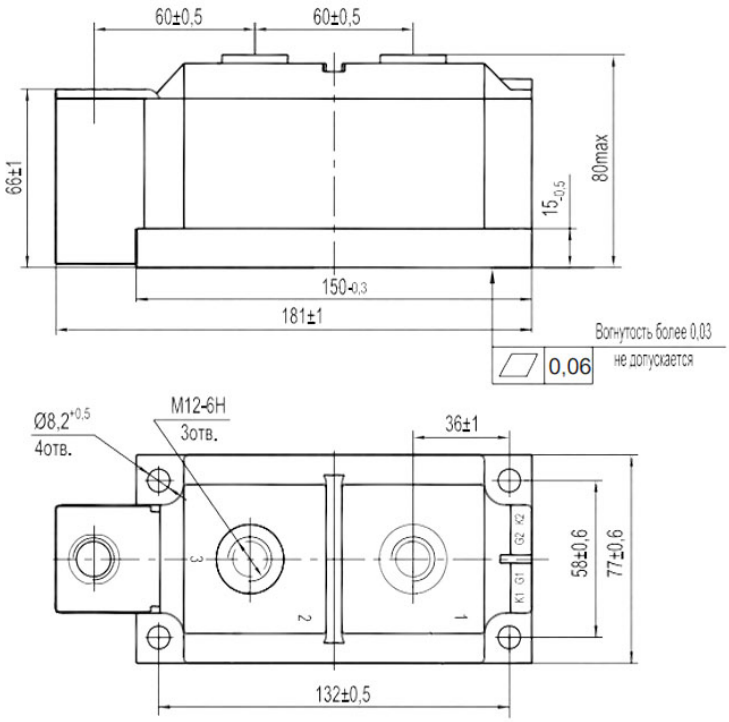


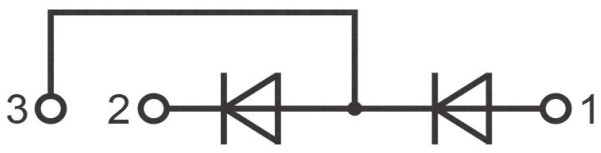
Fig.8

ГАБАРИТНЫЕ РАЗМЕРЫ

Тип корпуса: MDT7



Все размеры в миллиметрах



3 – Анод/Катод, 2 – Катод, 1 – Анод