АС ЭНЕРГИЯ

Модуль диодный
МДД-40-18

Средний прямой ток					I_{FAV}		40A				
Повторяющееся импульсное обратное напряжение					U_{RRM}		400 - 1800В				
U_{RRM}, В	400	500	600	700	800	900	1000	1200	1400	1600	1800
Класс по напряжению	4	5	6	7	8	9	10	12	14	16	18
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			40	A
$I_{F\ (RMS)}$	RMS forward current		150			63	A
V_{RRM}	Repetitive peak reverse voltage	V_{RRM} tp=10ms V_{RsM}= V_{RRM}+100V	150	400		1800	V
I_{RRM}	Repetitive peak current	at V_{RRM}	150			8	mA
I_{FSM}	Surge forward current	10ms half sine wave V_R=0.6V_{RRM}	150			1.00	KA
I^2t	I^2T for fusing coordination					5.0	A^2s*10^3
V_{FO}	Threshold voltage		150			0.80	V
r_F	Forward slop resistance					5.57	mΩ
V_{FM}	Peak forward voltage	I_{FM}=120A	25			1.55	V
$R_{th(j-c)}$	Thermal resistance Junction to case	At 180^0 sine· Single side cooled				0.900	°C /W
$R_{th(c-h)}$	Thermal resistance case to heatsink	At 180^0 sine· Single side cooled				0.2	°C /W
V_{iso}	Isolation voltage	50Hz,R.M.S,t=1min,I_{iso}:1mA(max)		2500			V
F_m	Terminal connection torque(M5)				4		N·m
	Mounting torque(M6)				6		N·m
T_{stg}	Stored temperature			-40		125	°C
W_t	Weight				150		g
Outline	MTD1						

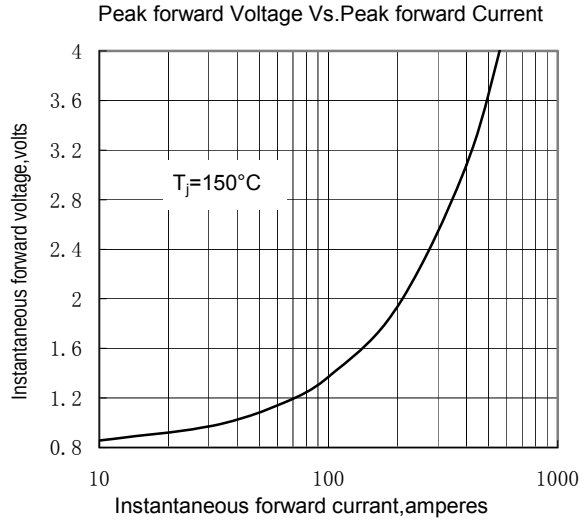


Fig.1

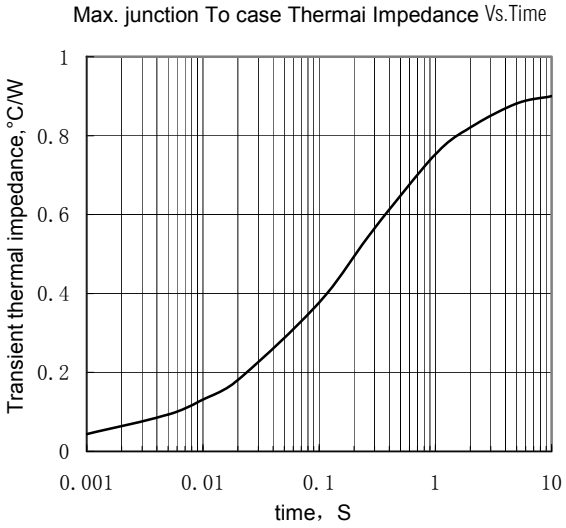


Fig.2

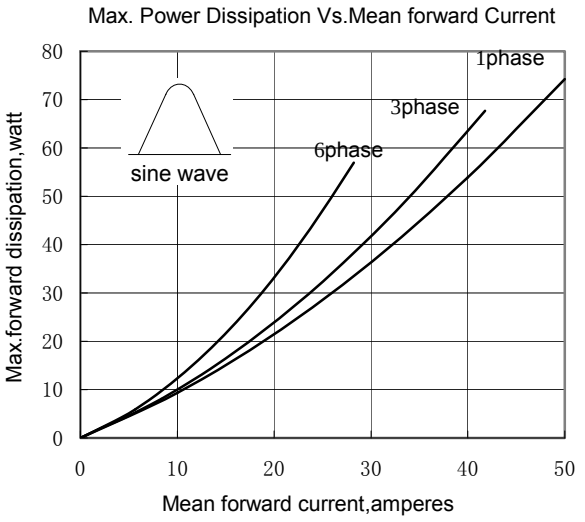


Fig.3

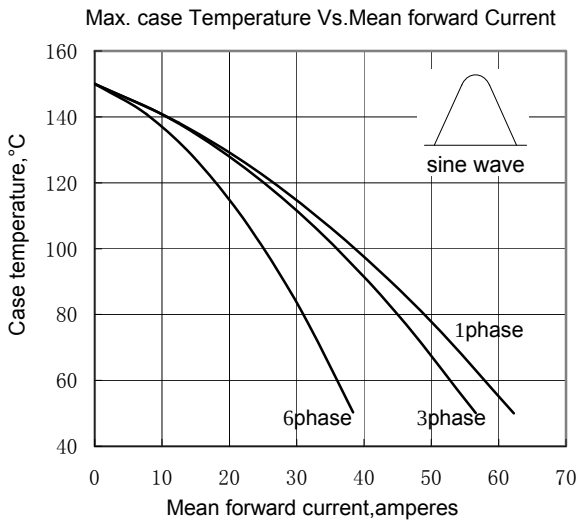


Fig.4

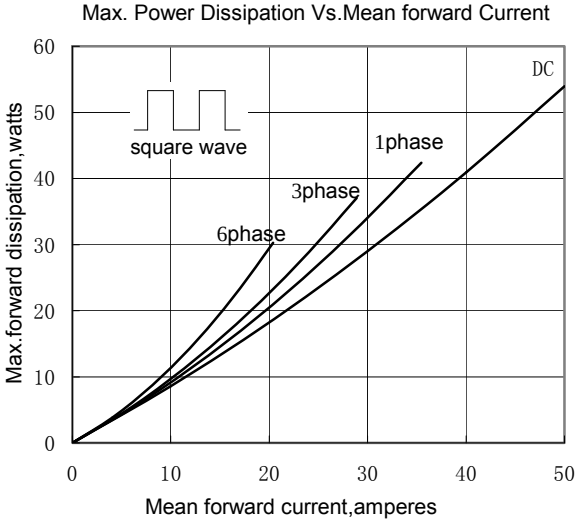


Fig.5

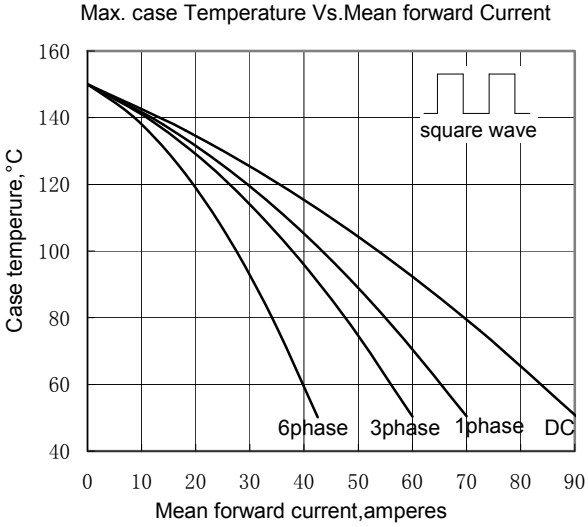


Fig.6

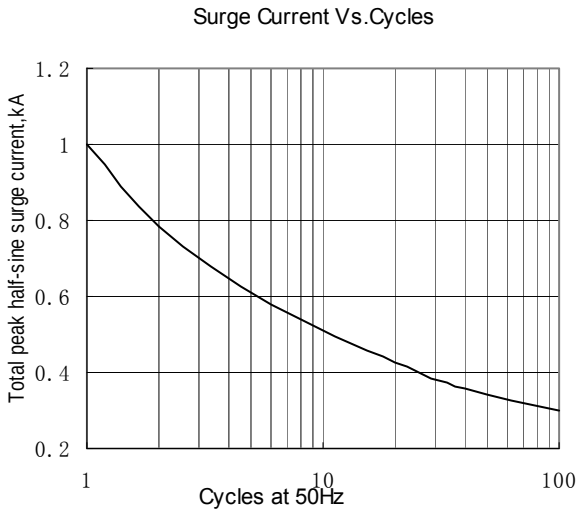


Fig.7

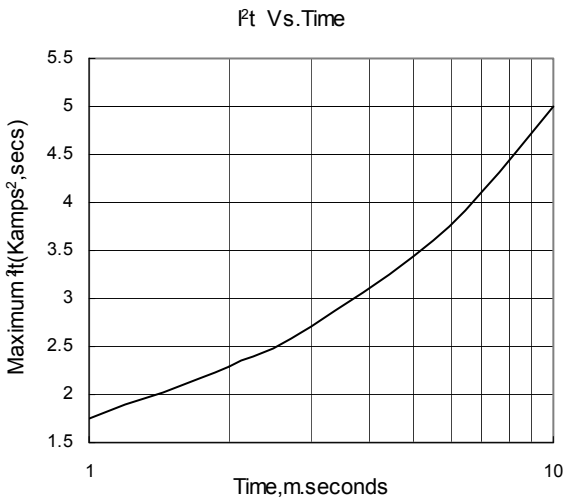
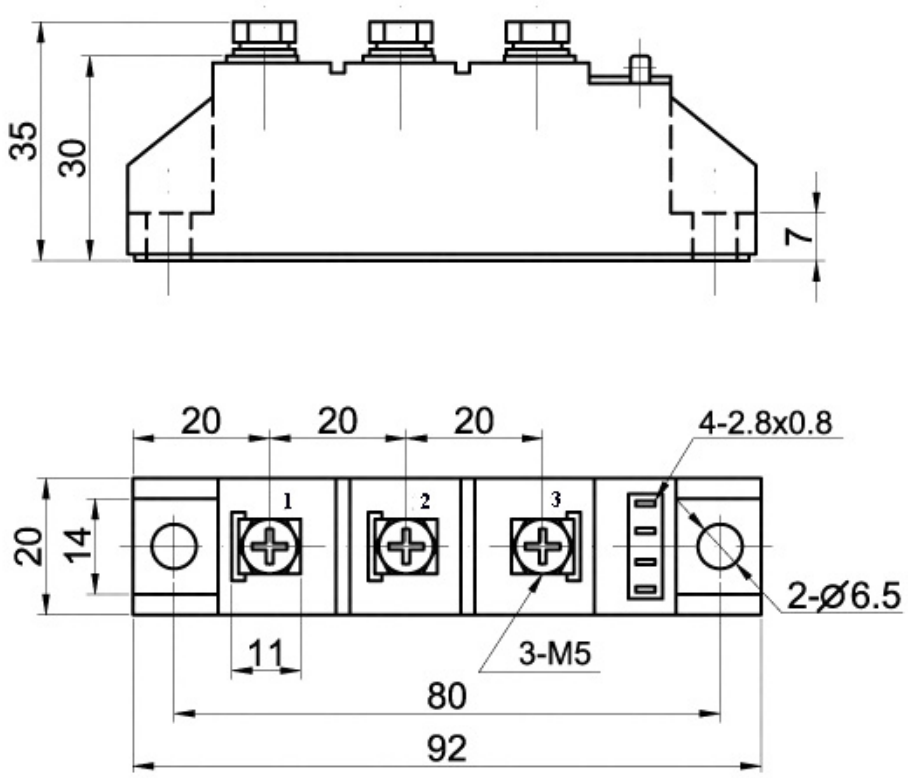


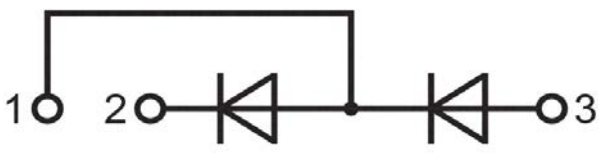
Fig.8

ГАБАРИТНЫЕ РАЗМЕРЫ

Тип корпуса: MDT1



Все размеры в миллиметрах



1– Анод/Катод, 2 –Катод, 3- Анод