

# PRODUCT PARAMETERS

SYMBOL	CHARACTERISTIC	TEST CONDITIONS	T <sub>(°C)</sub>	VALUE			UNIT
				Min	Type	Max	
I <sub>o</sub>	DC output current	Single-phase full wave rectifying circuit, T <sub>c</sub> =100°C	150			150	A
V <sub>RRM</sub>	Repetitive peak reverse voltage	V <sub>RRM</sub> tp=10ms V <sub>R</sub> =V <sub>RRM</sub> +200V	150	600		1600	V
I <sub>RRM</sub>	Repetitive peak current	at V <sub>RRM</sub>	150			15	mA
I <sub>FSM</sub>	Surge forward current	10ms half sine wave	150			2.10	KA
I <sup>2</sup> t	I <sup>2</sup> T for fusing coordination	V <sub>R</sub> =0.6V <sub>RRM</sub>				22.1 A <sup>2</sup> *10 <sup>3</sup>	
V <sub>FO</sub>	Threshold voltage		150			0.8	V
r <sub>F</sub>	Forward slop resistance					3.8	mΩ
V <sub>FM</sub>	Peak forward voltage	I <sub>FM</sub> =230A	25			1.38	V
R <sub>(ej-c)</sub>	Thermal resistance Junction to case	Single side cooled				0.10	°C/W
R <sub>(e-h)</sub>	Thermal resistance case to heatsink	Single side cooled				0.07	°C/W
V <sub>SO</sub>	Isolation voltage	50Hz,R.M.S,t=1min,I <sub>so</sub> :1mA(max)	2500				V
F <sub>m</sub>	Terminal connection torque(M6)					6	N·m
	Mounting torque(M5)					4	N·m
T <sub>stg</sub>	Stored temperature			-40		125	°C
W <sub>t</sub>	Weight	outline 1103A、103A-1、104A			420		g
Outline	box size	210×83×37mm				5	Pcs/box

## performance chart

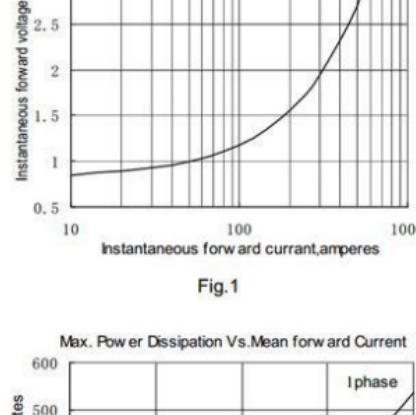


Fig.1

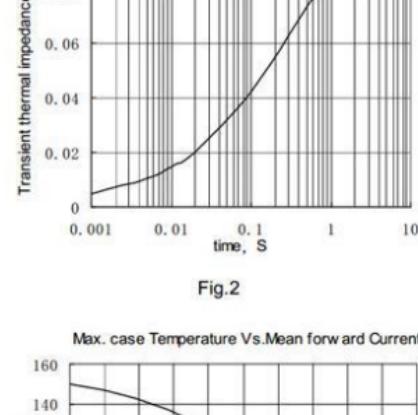


Fig.2

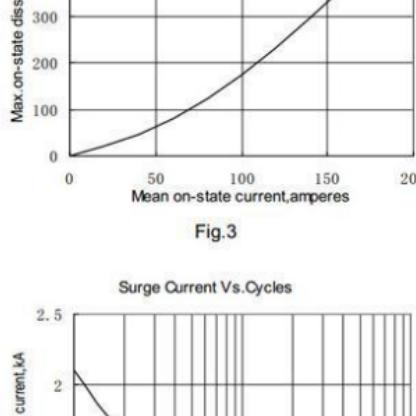


Fig.3

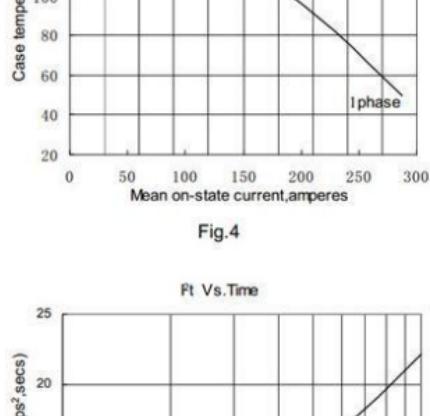


Fig.4

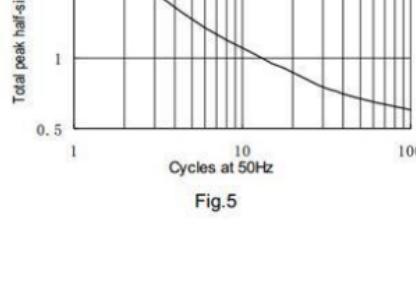


Fig.5

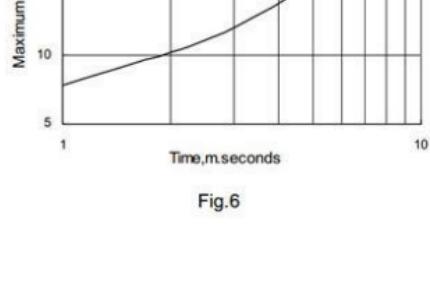
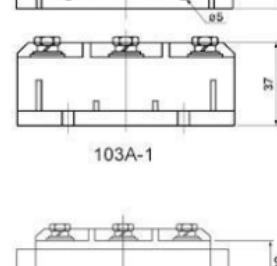
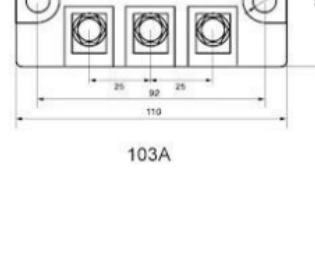


Fig.6

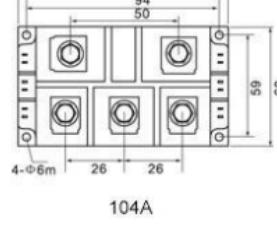
## Outline



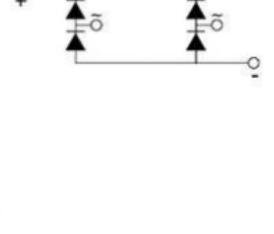
103A-1



103A



104A



101F