

4 定格・特性表

G 高速スイッチングサイリスタ FAST TURN-OFF THYRISTORS

4 スタッド型・RLGシリーズ STUD TYPE・RLG-SERIES $t_q=22\sim 23\mu s$

Type No.	VRRM VDRM V	VDSM V	VRSM V	IT(RMS) A	IO A	ITSM A	I ² t A ² s	IDM IRM mA	VTM V	dv/dt V/ μ s	di/dt A/ μ s	IGT mA	VGT V	tq μ s	T _{jw} Tstg °C	Rth (j-c) °C/W	Weight g	Torque N·m (kgf·cm)	Out-line No.
88RLG100 120	1,000 1,200	1,200 1,300	1,200 1,400	125	80	1,500	11,200	30	2.59 (ITM =250A)	200	200	150	3	22	-40 +125	0.3	105	17 13.5 173 138	45
178RLG100 120	1,000 1,200	1,200 1,300	1,200 1,400	270	175	3,500	61,200	45	2.61 (ITM =550A)	200	200	150	3	22	-40 +125	0.15	200	34 27 347 275	46
258RLG100 120	1,000 1,200	1,200 1,300	1,200 1,400	390	250	5,500	150,000	60	2.70 (ITM =785A)	200	200	200	3	23	-40 +125	0.10	455	43 35 438 357	47

5 スタッド型・RLHシリーズ STUD TYPE・RLH-SERIES $t_q=30\mu s$

Type No.	VRRM VDRM V	VDSM V	VRSM V	IT(RMS) A	IO A	ITSM A	I ² t A ² s	IDM IRM mA	VTM V	dv/dt V/ μ s	di/dt A/ μ s	IGT mA	VGT V	tq μ s	T _{jw} Tstg °C	Rth (j-c) °C/W	Weight g	Torque N·m (kgf·cm)	Out-line No.
88RLH100 120	1,000 1,200	1,200 1,300	1,200 1,400	125	80	1,500	11,200	30	2.18 (ITM =250A)	200	200	150	3	30	-40 +125	0.3	105	17 13.5 173 138	45
178RLH100 120	1,000 1,200	1,200 1,300	1,200 1,400	270	175	3,500	61,200	45	2.32 (ITM =550A)	200	200	150	3	30	-40 +125	0.15	200	34 27 347 275	46
258RLH100 120	1,000 1,200	1,200 1,300	1,200 1,400	390	250	5,500	150,000	60	2.27 (ITM =785A)	200	200	200	3	30	-40 +125	0.10	455	43 35 438 357	47

6 スタッド型・RFシリーズ STUD TYPE・RF-SERIES $t_q=30\mu s$

Type No.	VRRM VDRM V	VDSM V	VRSM V	IT(RMS) A	IO A	ITSM A	I ² t A ² s	IDM IRM mA	VTM V	dv/dt V/ μ s	di/dt A/ μ s	IGT mA	VGT V	tq μ s	T _{jw} Tstg °C	Rth (j-c) °C/W	Weight g	Torque N·m (kgf·cm)	Out-line No.
39RF20 40 60 80	200 400 600 800	300 500 700 900	300 500 700 900	55	35	700	2,450	10	2.1 (ITM =100A)	100	200	100	2.5	30	-40 +125	0.6	42	8 6.5 81.6 66.3	44
59RF20 40 60 80	200 400 600 800	300 500 700 900	300 500 700 900	80	50	800	3,200	10	1.95 (ITM =150A)	100	200	100	2.5	30	-40 +125	0.6	42	8 6.5 81.6 66.3	44

7 平型・PLFシリーズ FLAT PACKAGE TYPE・PLF-SERIES $t_q=20\mu s$

Type No.	VRRM VDRM V	VDSM V	VRSM V	IT(RMS) A	IO A	ITSM A	I ² t A ² s	IDM IRM mA	VTM V	dv/dt V/ μ s	di/dt A/ μ s	IGT mA	VGT V	tq μ s	T _{jw} Tstg °C	Rth (j-f) °C/W	Weight g	Mounting Force kN(kgf)	Out-line No.
503PLF100 120	1,000 1,200	1,200 1,300	1,200 1,400	785	500	8,000	320,000	60	2.2 (ITM =1,500A)	200	200	200	3	20	-40 +125	0.045	135	15 12 1,530 1,220	53
1003PLF100 120	1,000 1,200	1,200 1,300	1,200 1,400	1,570	1,000	18,000	1.62 $\times 10^6$	150	2.25 (ITM =3,200A)	500	200	200	3	20	-40 +125	0.025	460	35 30 3,570 3,060	55
2503PLF100 120	1,000 1,200	1,200 1,300	1,200 1,400	3,900	2,500	40,000	8 $\times 10^6$	150	2.07 (ITM =8,000A)	200	200	200	3	20	-40 +125	0.012	740	55 50 5,610 5,100	57

8 平型・PLHシリーズ FLAT PACKAGE TYPE・PLH-SERIES $t_q=30\mu s$

Type No.	VRRM VDRM V	VDSM V	VRSM V	IT(RMS) A	IO A	ITSM A	I ² t A ² s	IDM IRM mA	VTM V	dv/dt V/ μ s	di/dt A/ μ s	IGT mA	VGT V	tq μ s	T _{jw} Tstg °C	Rth (j-f) °C/W	Weight g	Mounting Force kN(kgf)	Out-line No.
503PLH100 120	1,000 1,200	1,200 1,300	1,200 1,400	785	500	7,000	245,000	80	2.5 (ITM =1,500A)	200	200	200	3	30	-40 +125	0.045	135	15 10 1,530 1,020	53
1003PLH100 120	1,000 1,200	1,200 1,300	1,200 1,400	1,570	1,000	16,000	1.28 $\times 10^6$	120	2.3 (ITM =3,200A) (T _j =125°C)	200	200	400	3	30	-40 +125	0.03	460	35 30 3,570 3,060	55
2503PLH100 120	1,000 1,200	1,200 1,300	1,200 1,400	3,900	2,500	40,000	8 $\times 10^6$	150	2.07 (ITM =8,000A)	200	200	200	3	30	-40 +125	0.012	740	55 50 5,610 5,100	57