

PHASE CONTROL SCRs



NATIONAL TYPE NO.		C1883	C1884	C1885
JEDEC NO.				
RMS on state current (A) max.		1330	1490	1650
VOLTAGE RANGE		2400-3200	2000-3200	2300-3200
IT(AV) Amps @ 180° conduction @ Tc		850 @ 55°	1000 @ 55°	1100 @ 55°
ITSM Peak one cycle surge current (A)		9700	12000	16400
I²t For fusing at 8.3 msec (A²sec)		390,000	597,000	1,115,000
VTM Max. peak on-state volts @ peak amps., TJ = 25°C		3.4 @ 3000A	2.8 @ 3000A	2.5 @ 3000A
di/dt Max. rate-of-current rise (A/μsec)		100	100	100
dv/dt Min. rate-of-voltage rise (V/μsec)		300	300	300
IGT Max. gate trigger current (mA) @ 25°C		250	400	400
VGT Max. gate trigger voltage (V) @ 25°C		3.5	4.0	4.0
RθJC Max. thermal resistance, junction-to-case (°C/W)		.023	.02	.02
TJ Max. junction operating temperature (°C)		125	125	125
REPETITIVE	2000 L		C1884L	
PEAK	2100 LA		C1884LA	
FORWARD	2200 LB		C1884LB	
(VDRM)	2300 LC		C1884LC	C1885LC
	2400 LD	C1883LD	C1884LD	C1885LD
AND	2500 LE	C1883LE	C1884LE	C1885LE
	2600 LM	C1883LM	C1884LM	C1885LM
REPETITIVE	2700 LS	C1883LS	C1884LS	C1885LS
PEAK	2800 LN	C1883LN	C1884LN	C1885LN
REVERSE	2900 LT	C1883LT	C1884LT	C1885LT
(VRRM)	3000 LP	C1883LP	C1884LP	C1885LP
VOLTAGE	3100 CA	C1883CA	C1884CA	C1885CA
	3200 CB	C1883CB	C1884CB	C1885CB
Mounting Force (lbs) required		5000	5000	5000
Package Type		1" P.P.	1" P.P.	1" P.P.
Package Outline Number		P-4	P-7	P-7