

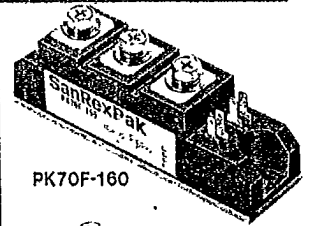
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THYRISTORS

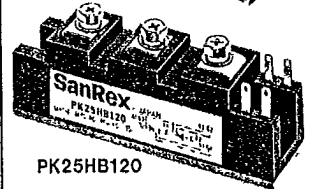
T-25-01

SCR MODULE "G,H" "F" SERIES

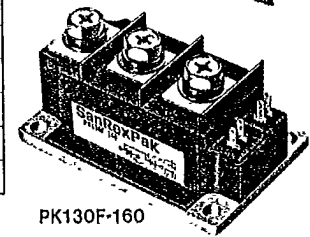
| TYPE | V _{ORM} /V _{RRM} V | I _{T(AV)} | | I _{T(RMS)} | | I _{TSM} A (60HZ) | I ² T A ² S | dv/dt V/μs | di/dt A/μs | I _{GT} mA (25°C) | V _{GT} V (25°C) | V _{TM} V (25°C) | I _{ORM} /I _{RRM} mA (125°C) | T _J °C | R _{thjc} °C/W | Fig No. | |
|-----------------|---|--------------------|-----|---------------------|-----|------------------------------|--------------------------------------|----------------------|---------------|------------------------------|-----------------------------|-----------------------------|--|----------------------|---------------------------|---------|----|
| | | A | °C | A | °C | | | | | | | | | | | | |
| PK(KK,PD,PE)25 | GB | 400,800 | 25 | 122 | 39 | 122 | 500 | 1000 | 500 | 100 | 50 | 3 | 1.5 | 10 | 125 | 0.8 | 21 |
| | HB | 1200,1600 | 25 | 94 | 39 | 94 | 500 | 1000 | 500 | 100 | 50 | 2 | 1.6 | 4 | 125 | 0.8 | 21 |
| | F | 400~1600 | 25 | 96 | 39 | 96 | 580 | 1400 | 500 | 100 | 50 | 3 | 1.55 | 10 | 125 | 0.78 | 16 |
| PK(KK,PD,PE)40 | F | 400~1600 | 40 | 96 | 62 | 96 | 1300 | 7200 | 500 | 150 | 70 | 3 | 1.4 | 15 | 125 | 0.55 | 16 |
| PK(KK,PD,PE)55 | GB | 400,800 | 55 | 114 | 86 | 114 | 1100 | 5000 | 500 | 150 | 100 | 3 | 1.35 | 20 | 125 | 0.5 | 21 |
| | HB | 1200,1600 | 55 | 85 | 86 | 85 | 1100 | 5500 | 500 | 150 | 100 | 2 | 1.5 | 10 | 125 | 0.5 | 21 |
| | F | 400~1600 | 55 | 89 | 86 | 89 | 1750 | 12800 | 500 | 150 | 70 | 3 | 1.4 | 15 | 125 | 0.5 | 16 |
| PK(KK,PD,PE)70 | F | 400~1600 | 70 | 94 | 110 | 94 | 1950 | 16200 | 500 | 150 | 70 | 3 | 1.4 | 15 | 125 | 0.33 | 16 |
| PK(KK,PD,PE)90 | GB | 400,800 | 90 | 116 | 140 | 116 | 1800 | 15000 | 500 | 200 | 100 | 3 | 1.3 | 30 | 125 | 0.3 | 21 |
| | HB | 1200,1600 | 90 | 88 | 140 | 88 | 1800 | 15000 | 500 | 200 | 100 | 2 | 1.4 | 15 | 125 | 0.3 | 21 |
| | F | 400~1600 | 90 | 93 | 140 | 93 | 2300 | 22000 | 500 | 200 | 100 | 3 | 1.4 | 20 | 125 | 0.27 | 16 |
| PK(KK,PD,PE)110 | F | 400~1600 | 110 | 88 | 172 | 88 | 2550 | 26500 | 500 | 200 | 100 | 3 | 1.45 | 20 | 125 | 0.25 | 16 |
| PK(PD)130 | F | 400~1600 | 130 | 90 | 205 | 90 | 4400 | 8×10 ⁴ | 500 | 200 | 100 | 3 | 1.4 | 50 | 125 | 0.2 | 17 |
| PK(PD)160 | F | 400~1600 | 160 | 87 | 250 | 87 | 5500 | 1.25×10 ⁵ | 500 | 200 | 100 | 3 | 1.42 | 50 | 125 | 0.18 | 17 |



PK70F-160



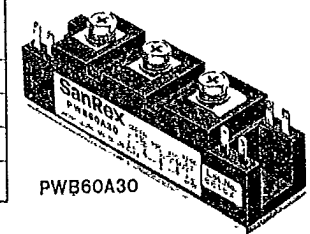
PK25HB120



PK130F-160

3 PHASES SCR MODULE

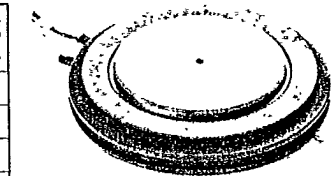
| TYPE | V _{ORM} /V _{RRM} V | I _{T(AV)} | | I _{T(RMS)} | | I _{TSM} A (60HZ) | I ² T A ² S | dv/dt V/μs | di/dt A/μs | I _{GT} mA (25°C) | V _{GT} V (25°C) | I _H mA (25°C) | V _{TM} V (25°C) | I _{ORM} /I _{RRM} mA (125°C) | T _J °C | R _{thjc} °C/W | Fig No. |
|---------------|---|--------------------|-----|---------------------|-----|------------------------------|--------------------------------------|---------------|---------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|--|----------------------|---------------------------|---------|
| | | A | °C | A | °C | | | | | | | | | | | | |
| PWB60A | 200~400 | 60 | 123 | 94 | 123 | 1800 | 13500 | 50 | 50 | 200 | 2 | 100 | 1.25 | 10 | 150 | 0.35 | 21 |
| PWB80A | 200~400 | 80 | 116 | 125 | 116 | 2500 | 26000 | 50 | 50 | 180 | 2 | 100 | 1.2 | 12 | 150 | 0.35 | 21 |
| PWB100A | 200~400 | 100 | 114 | 157 | 114 | 3500 | 51000 | 50 | 50 | 180 | 2 | 70 | 1.2 | 15 | 150 | 0.3 | 21 |
| PFB15AA (PHB) | 800~1600 | 15 | 77 | 33 | 77 | 350 | 512 | 500 | 100 | 70 | 3 | 50 | 1.75 | 10 | 125 | 1.9 | 33 |



PWB60A30

DISC TYPE SCR

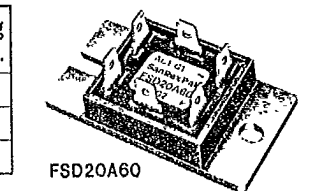
| TYPE | V _{ORM} /V _{RRM} V | I _{T(AV)} | | I _{T(RMS)} | | I _{TSM} A (60HZ) | I ² T A ² S | dv/dt V/μs | di/dt A/μs | I _{GT} mA (25°C) | V _{GT} V (25°C) | I _H mA (25°C) | V _{TM} V (25°C) | I _{ORM} /I _{RRM} mA (125°C) | T _J °C | R _{thjc} °C/W | Fig No. |
|-----------|---|--------------------|----|---------------------|----|------------------------------|--------------------------------------|---------------|---------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|--|----------------------|---------------------------|---------|
| | | A | °C | A | °C | | | | | | | | | | | | |
| SCF1500B | 200~600 | 1.5K | 77 | 2350 | 77 | 30K | 3750K | 100 | 200 | 300 | 3 | 500 | 1.5 | 50 | 125 | 0.025 | 13 |
| SCF1500H | 800~1200 | 1.5K | 59 | 2350 | 59 | 24K | 2400K | 100 | 200 | 350 | 3.5 | - | 1.75 | | 125 | 0.01 | 13 |
| SCF3000AA | 200~600 | 3K | 80 | 4.7K | 80 | 48K | 9.6×10 ⁵ | | | | | | 100 | 200 | 350 | 3.5 | - |
| SCF3000BA | 800~1200 | 3K | 72 | 4.7K | 72 | | | 150 | 125 | 0.01 | 14 | | | | | | |



SCF3000BA80W

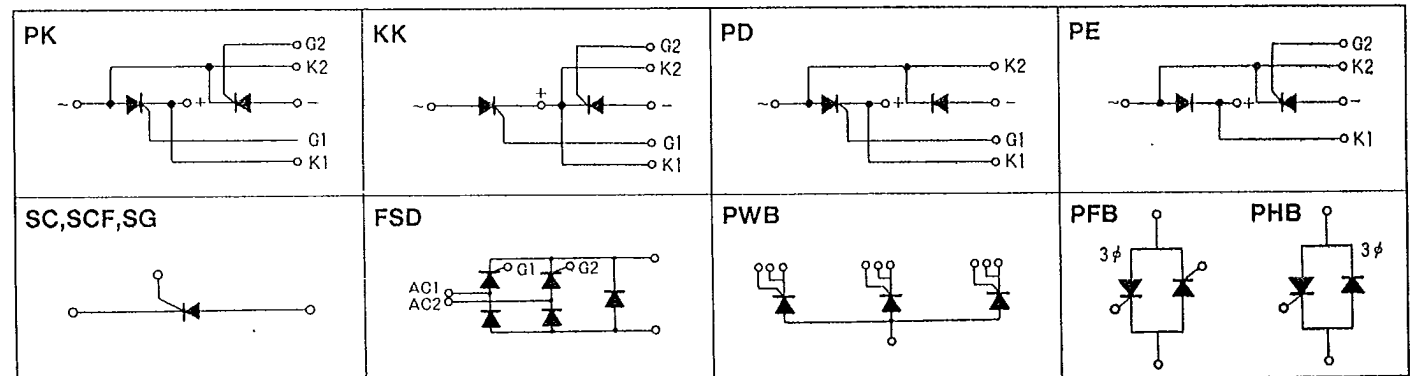
OTHER SCR

| TYPE | V _{ORM} /V _{RRM} V | I _{T(AV)} | | I _{DC} | I _{TSM} A (60HZ) | I ² T A ² S | dv/dt V/μs | di/dt A/μs | I _{GT} mA (25°C) | V _{GT} V (25°C) | I _H mA (25°C) | V _{TM} V (25°C) | I _{ORM} /I _{RRM} mA (125°C) | T _J °C | R _{thjc} °C/W | Viso V | Fig No. | |
|--------|---|--------------------|----|-----------------|------------------------------|--------------------------------------|---------------|---------------|------------------------------|-----------------------------|-----------------------------|-----------------------------|--|----------------------|---------------------------|-----------|---------|----|
| | | A | °C | | | | | | | | | | | | | | | |
| SG16AA | 400,600 | 16 | 80 | - | 250 | 260 | 100 | 100 | 40 | 3 | 30 | 1.5 | 3 | 125 | 2 | 2500 | 15 | |
| SG25AA | 400,600 | 25 | 70 | - | 500 | 1040 | 100 | 100 | 40 | 3 | 30 | 1.4 | 5 | 125 | 1.6 | 2500 | 15 | |
| FSD20A | 300,600 | - | - | 20 | 65 | 200 | 165 | 50 | 100 | 40 | 1.2 | 30 | 1.5 | 5 | 125 | 1 | 2500 | 22 |



FSD20A60

CONNECTION



SanRex

DIMENSIONS

DIMENSIONS

(m/m)

