

Three Phase Bridge Rectifiers — continued

30A/50A



- Isolated metal case
- High surge current
- M4 2 mounting points

H = 30, W = 71, D = 60

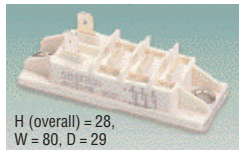


$I_o = 30A$ dc @ $T_c = 98^\circ C$ $I_{FSM} = 370A$ @ $T_{vj} = 25^\circ C$
 $I_o = 50A$ dc @ $T_c = 92^\circ C$ $I_{FSM} = 750A$ @ $T_{vj} = 25^\circ C$

SD242

I_o A	V_{RRM} (V)	Mfrs. List No.	Order Code	1+	25+	100+
30	1200	SKD30/12A1	.936-947			
50	1200	SKD50/12	.663-591			

50A



- Glass passivated diodes
- Fast-on terminals
- Isolated metal base
- Low thermal impedance
- High surge current capability

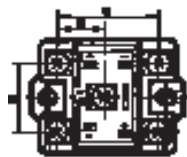
$I_o = 50A$ @ $T_c = 125^\circ C$ $I_{FSM} = 775A$ @ $T_{vj} = 25^\circ C$



SD239

V_{RRM} (V)	Mfrs. List No.	Order Code	1+	25+	100+
800	SKD51/08	.663-578			
1200	SKD51/12	.663-580			

60A



H = 34, W = 65, D = 48
 Mounting holes = 5.3,
 Fixing Centres = 49



SD135

$I_o = 92A$ dc max @ $T_c = 85^\circ C$
 $I_{FSM} = 1000A$ @ $T_{vj} = 25^\circ C$
 Current ratings (I_o) @ $45^\circ C$ for the following heatsinks:
 175-647 = 26A, 175-648 = 30A, 170-753 = 60A

V_{RRM}	Mfrs. List No.	Order Code	1+	25+	100+
800	SKD6008	.372-146			
1200	SKD6012	.372-158			

80A



- Robust plastic case
- Isolated base plate
- High surge current capability
- 2 5.3 mounting points

H = 36, W = 65, D = 48

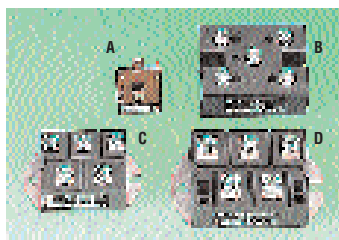
$I_o = 80A$ @ $T_c = 114^\circ C$ $I_{FSM} = 750A$ @ $T_{vj} = 25^\circ C$



SD241

V_{RRM} (V)	Mfrs. List No.	Order Code	1+	25+	100+
800	SKD82/08	.663-608			
1200	SKD82/12	.663-610			

25A to 186A
B6U Configuration



- A: H = 10 (excl. terminals), W/D = 28.5, Mounting holes = 5.2 dia.
- B: H = 31 (excl. terminals), W = 67, D = 50 Mounting holes = 5.5 dia., fixing centres = 50
- C: H = 30 (excl. terminals), W = 72, D = 42 Mounting holes = 5.3 dia., fixing centres = 60
- D: H = 30 (excl. terminals), W = 94, D = 54 Mounting holes = 6.5 dia., fixing centres = 80

I_d (av) A	T_c C	V_{rr} V	V_{rms} V	I_{FSM} A	Package	Mfrs. List No.
25	63	1200	400	380	A	VU025-12N08
35	62	1200	400	550	A	VU036-12N08
63	110	1200	400	550	C	VU062-12N07
88	110	1200	400	750	C	VU082-12N07
127	110	1200	400	1200	D	VU0110-12N07
160	85	1200	400	1500	B	VU0105-12N07
175	110	1200	400	1800	D	VU0160-12N07
186	85	1200	400	1800	B	VU0125-12N07

SD481

Mfrs. List No.	Order Code	1+	Price Each	25+
VU025-12N08	.305-3260			
VU036-12N08	.305-3271			
VU062-12N07	.305-2953			
VU082-12N07	.305-2965			
VU0105-12N07	.315-3733			
VU0110-12N07	.315-3721			
VU0125-12N07	.305-3283			
VU0160-12N07	.305-3258			

Controlled Bridge Rectifiers

PACE-Pak, 25A and 40A



Thyristor/diode bridge



Thyristor bridge

Body: H = 14 (excl terminals), W = 48, D = 32
 Base plate: W = 64, D = 32, Fixing Centres = 49.5



PACE-pak modules give single phase bridge configurations of thyristors and diodes, mounted on an alumina substrate to provide a completely isolated assembly. A free wheeling diode is included with the half-controlled bridges which are in B2HKF configuration. Connections are by 6.4 0.8mm faston terminals. Isolation voltage = 2500V.

SD61

I_o @ $T_c = 85^\circ C$ A	I_{TSM} A	V_{RRM} V	Mfrs. List No.	Order Code	1+	10+	25+
Thyristor/Diode Bridges							
25	300	600	P102W	.362-530			
25	300	1200	P105W	.362-542			
40	385	600	P402W	.362-554			
40	385	1200	P405W	.438-200			
Thyristor Bridge							
25	300	1200	P135	.362-566	111.99	67.20	51.69

SEMIPONT, 30A



- Isolated base plate to 2500V
- Fast-on terminals with solder tips
- High surge current rating

H = 25.3, W = 63, D = 32
 Mounting holes = 5.3 dia,
 Fixing centres = 48



SD119

I_o @ $T_c = 85^\circ C$ A	I_{TSM} A	V_{RRM} V	Mfrs. List No.	Order Code	1+	5+	50+
30	320	800	SKCH2808	.425-321			
30	320	1200	SKCH2812	.541-898			

Thermionic Valves

Amplifier and Rectifier Valves

CHELMER VALVE



(a) ECC81/82/83 (b) EL34 (c) EL84

Pin Outs (viewed from base)



(d) KT88 (e) 6L6GC (/5881) (f) GZ34

- Used in high quality audio amplifiers, pre-amplifiers, oscillators
- High quality construction
- Low noise, hum and microphony
- GZ34 is a full-wave rectifier for power supply applications
- PCB and chassis mounting sockets available separately