

Three Phase Bridge Rectifiers - continued

25A to 186A - continued

B6U Configuration - continued

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

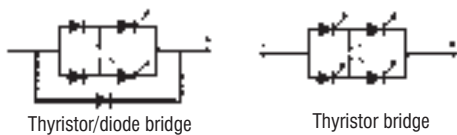
211354

Mfrs. List No.	Order Code	1+	5+	25+
VU036-12N08	935-9486	1,569.00	1,228.00	982.00
VU062-12N07	935-9443	3,931.00	2,886.00	2,044.00
VU082-12N07	935-9460	4,471.00	3,318.00	2,237.00
VU0105-12N07	935-9613	5,951.00	4,501.00	3,478.00
VU0110-12N07	935-9605	6,383.00	4,847.00	3,852.00
VU0160-12N07	935-9478	7,020.00	5,357.00	4,104.00

Controlled Bridge Rectifiers

PACE-Pak, 25A and 40A

International
IGR Rectifier



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 x 0.8mm faston terminals. Isolation voltage=2500V.

211386

I_0 @ $T_C=85^\circ C$ A	I_{TSM} A	V_{RRM} V	Mfrs. List No.	Order Code	1+	25+	100+
Thyristor/Diode Bridges							
25	300	600	P102WPBF	910-4810	1,517.00	1,058.00	808.00
25	300	1200	P105WPBF	910-4828	1,543.00	1,077.00	822.00
40	385	600	P402WPBF	910-4836	1,543.00	1,077.00	822.00
40	385	1200	P405WPBF	910-4852	1,569.00	1,095.00	836.00
Thyristor Bridge							
25	300	1200	P135PBF	910-4151	1,466.00	1,023.00	781.00

Semiconductors - Discretes

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SEMIPONT, 30A

SEMIKRON
Innovation + service



- 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

211071

Mfrs. List No.	I_0 @ $T_C=85^\circ C$ A	I_{TSM} A	V_{RRM} V	Order Code	1+	25+	100+
SKCH28/08	30	320	800	940-1865	2,497.00	1,998.00	1,498.00
SKCH28/12	30	320	1200	940-1881	4,666.00	3,732.00	2,974.00

Thyristors

Thyristors and Triacs

PHILIPS



SOT-223



D²-PAK



SOT-82



SOT-186A



TO-220AB



TO-92

- High reliability glass mesa and planar technologies
- Glass passivated, where applicable, for stable voltage blocking beyond 125°C
- High reliability
- SMD package options for optimised PCB size and reduce assembly costs
- Logic level and sensitive gate triacs can be driven directly by low power ICs
- 3 Quadrant Triacs offer enhanced dV_{D}/dt , dV_{com}/dt and dI_{com}/dt capabilities
- Snubbers and dI/dt limiting inductors can be eliminated

FOUR-QUADRANT TRIACS

I_T (rms) A	VOLTAGE GRADES V	I_{GT} (max.) μA	PACKAGE			
			SOT-223	SOT-82	SOT-186A (isolated TO-220AB)	TO-220AB (SOT-78)
1.0	600/800	D*/E	BT134W			
4.0	800/600	D*/E		BT134		
4	600	D*/E/F				BT136
8.0	600	D*/E/F				BT137
12.0	600/800	E/F			BT138X	BT138
16	600/800	E/F				BT139
25	600/800	—				BTA140

THREE-QUADRANT TRIACS

I_T (rms) A	VOLTAGE GRADES V	I_{GT} (max.) μA	PACKAGE			
			SOT-223	D²-PAK (SOT-404)	SOT-82	SOT-186A (isolated TO220AB)
25	600	B				BTA225

THYRISTORS

I_T (rms) A	VOLTAGE GRADES V	I_{GT} (max.) μA	PACKAGE			
			SOT-223	TO-92 (SOT-54)	SOT-82	TO-220AB (SOT-78)
0.8	600	200 μA		BT169G		
0.8	500	200 μA		BT149E		
12	500/650/800	15mA				BT151
12	650	4mA			BTA151-650R	
20	400/600/800	32mA				BT152

DIAC

I_{FRM} A	V_{BO} V	I_{BO} μA	PACKAGE	TYPICAL APPLICATIONS
			SOD27	
2	28-36	50	BR100/03	Home Appliances

* 'D' version Triacs are only available in 500 & 600V range

BT149 has reversed pinning to BT169

211389

Mfrs. List No.	Order Code	5+	25+	100+	250+	+
BR100-03.	363-480	13.00	10.00	8.00	--	--
Price Each						
BT134W-600D.	SMD 305-0622†	47.00	37.00	28.00	19.00	--
BT134W-600D	108-1315	47.00	37.00	28.00	19.00	--
BT134W-800	SMD 163-600	47.00	37.00	28.00	19.00	--
BT136-600	108-1316	40.00	32.00	24.00	16.00	--
BT137-600.	363-546†	45.00	36.00	27.00	19.00	--
BT137-600	108-1318	45.00	36.00	27.00	18.00	--
BT138-600.	363-560†	64.00	51.00	38.00	25.00	--
BT138-600	108-1319	64.00	51.00	38.00	25.00	--
BT138-800.	936-248†	64.00	51.00	38.00	25.00	--
BT138-800	108-1320	64.00	51.00	38.00	25.00	--
BT139-600	108-1321	79.00	63.00	48.00	32.00	--
BT139-800	108-1322	79.00	63.00	48.00	34.00	--
BT151-500R	108-1324	48.00	38.00	29.00	19.00	--
BT151-650R.	362-580†	48.00	38.00	29.00	22.00	--
BT151-650R	108-1325	48.00	38.00	29.00	19.00	--
BT151-800R.	362-591†	48.00	38.00	29.00	19.00	--
BT151-800R	108-1326	48.00	38.00	29.00	19.00	--
BT152-400R.	362-608†	85.00	68.00	51.00	36.00	--
BT152-400R	108-1327	85.00	68.00	51.00	34.00	--
BT152-600R.	362-610†	85.00	68.00	51.00	36.00	--
BT152-600R	108-1328	85.00	68.00	51.00	34.00	--
BT152-800R	108-1331	85.00	68.00	51.00	34.00	--
BT152-800R	108-1331	85.00	68.00	51.00	34.00	--
BT169G.	163-697	21.00	17.00	13.00	8.00	--
BTA140-600.	363-753†	110.00	88.00	66.00	47.00	--
BTA140-800.	936-261†	110.00	88.00	66.00	44.00	--

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		5+	25+	100+	250+	+
BT169G	109-7281	21.00	17.00	13.00	8.00	--