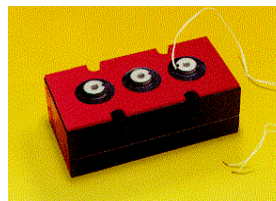


Unité de production
 428 avenue Georges Durand BP 23131
 72003 LE MANS Cedex 1
 France
 Tel : 33 (0) 2 43 41 14 14
 Fax : 33 (0) 2 43 41 14 02
www.powerex.fr



P1Z / P2Z / P3Z / P7Z

Thyristor / Diode Isolated Module POW-R-BRIKs SELECTOR GUIDE

TYPE	VDRM / VRRM Tj = Tj max (V)	IT(AV) at Tc (180° sin)		Maximum Power dissipation (W)	IT(RMS) E1 (A)	IT(RMS) E2 (A)	Vgt Max 25°C (V)	Igt Max 25°C (mA)	di/dt non repetitive (A/μs)	dV/dt Min Tj = Tj max (V/μs)	RthJC per module (°C/W)	RthCS per module (°C/W)	RthCA per module (°C/W)	Tj max °C	PACKAGE INFORMATION	
		(A)	(°C)												Tapped hole	base plate dimensions (mm)
DIODE / DIODE MODULES																
P1Z7AAR700W--	2200-3000	355	105	1125	7000	7000	-	-	-	-	0.04	0.010	0.10	150	7/16-14 UNC-2B	153 x 77
P1Z7ABR800W--	1200-2200	435	105	1125	9000	9000	-	-	-	-	0.04	0.010	0.10	150	7/16-14 UNC-2B	153 x 77
P1Z9AAR900W--	2200-3000	590	105	1500	16000	16000	-	-	-	-	0.03	0.008	0.08	150	7/16-14 UNC-2B	190x94
P1Z9ACR900W--	800-1200	740	105	1500	30000	30000	-	-	-	-	0.03	0.008	0.08	150	7/16-14 UNC-2B	190x94
P1Z9ADR900W--	600	800	110	1330	50000	50000	-	-	-	-	0.03	0.008	0.08	150	7/16-14 UNC-2B	190x94
P1ZAABRA00W--	2200-3000	1270	80	-	-	-	-	-	-	-	0.03	0.008	0.08	150	7/16-14 UNC-2B	216x110
P1ZAACRA00W--	1800-2200	1420	80	-	-	-	-	-	-	-	0.03	0.008	0.08	150	7/16-14 UNC-2B	216x110
P1ZAADRA00W--	1200-1800	1585	80	-	-	-	-	-	-	-	0.03	0.008	0.08	150	7/16-14 UNC-2B	216x110
HALF CONTROLLED SCR / DIODE MODULES																
P2Z7ABB700W--	1600-2200	380	85	1100	9000	9000	3	150	600	600	0.04	0.010	0.10	130	7/16-14 UNC-2B	153 x 77
P2Z7ACB700W--	1200-1600	395	85	1100	10000	14000	3	150	600	600	0.04	0.010	0.10	130	7/16-14 UNC-2B	153 x 77
P2Z9AAA900W--	2000-3000	430	85	1325	15000	16000	3	200	600	600	0.03	0.008	0.08	125	7/16-14 UNC-2B	190x94
P2Z9ABA900W--	1600-2000	520	85	1465	17000	16000	3	200	600	600	0.03	0.008	0.08	130	7/16-14 UNC-2B	190x94
P2Z9ACA900W--	1200-1600	590	85	1465	25000	16000	3	200	600	600	0.03	0.008	0.08	130	7/16-14 UNC-2B	190x94
P2ZAABA00W--	1200-2200	880	80	-	-	-	3	200	400	400	0.03	0.008	0.08	125	7/16-14 UNC-2B	216x110
FULL CONTROL SCR / SCR MODULES																
P3Z7ABT700W--	1600-2200	345	85	1095	9000	9000	3	150	600	300	0.04	0.010	0.10	130	7/16-14 UNC-2B	153 x 77
P3Z7ACT700W--	1200-1600	375	85	1095	1000	1000	3	150	600	300	0.04	0.010	0.10	130	7/16-14 UNC-2B	153 x 77
P3Z7AAT800W--	2200-3000	300	85	1095	10000	10000	3	150	600	300	0.04	0.010	0.10	130	7/16-14 UNC-2B	153 x 77
P3Z7ABT800W--	1400-2200	390	85	1095	12000	12000	3	150	600	300	0.04	0.010	0.10	130	7/16-14 UNC-2B	153 x 77
P3Z7ACT800W--	1200-1400	450	85	1095	15000	15000	3	150	600	300	0.04	0.010	0.10	130	7/16-14 UNC-2B	153 x 77
P3Z9AAT900W--	2000-3000	355	85	1295	15000	15000	3	200	600	300	0.03	0.008	0.08	125	7/16-14 UNC-2B	190x94

P3Z9ABT900W--	1600-2000	470	85	1460	17000	17000	3	200	600	300	0.03	0.008	0.08	130:7/16-14 UNC-2B	190x94
P3Z9ACT900W--	1200-1600	600	85	1460	25000	25000	3	200	600	300	0.03	0.008	0.08	130:7/16-14 UNC-2B	190x94
P3AABTA00W--	1200-2200	880	80	-	-	-	3	200	400	300	0.03	0.008	0.08	125:7/16-14 UNC-2B	216x110

HALF CONTROLLED DIODE / SCR MODULES

P7Z7ABB700W--	1600-2200	380	85	1100	9000	9000	3	150	600	300	0.04	0.010	0.10	130:7/16-14 UNC-2B	153 x 77
P7Z7ABC700W--	1200-1600	395	85	1100	14000	10000	3	150	600	300	0.04	0.010	0.10	130:7/16-14 UNC-2B	153 x 77
P7Z9AAA900W--	2000-3000	430	85	1325	16000	15000	3	200	600	300	0.03	0.008	0.08	125:7/16-14 UNC-2B	190x94
P7Z9AAB900W--	1600-2000	520	85	1465	16000	17000	3	200	600	300	0.03	0.008	0.08	130:7/16-14 UNC-2B	190x94
P7Z9AAC900W--	1200-1600	590	85	1465	16000	25000	3	200	600	300	0.03	0.008	0.08	130:7/16-14 UNC-2B	190x94
P7ZAAABA00W--	1200-2200	880	80	-	-	-	3	200	400	300	0.03	0.008	0.08	125:7/16-14 UNC-2B	216x110

ORDERING INFORMATION

Example : P3 Z 7 A CT7 00 W16 is a 1600V, Dual SCR module with standard Thermistor

P3 see (1)

Z see (2)

7 see (3)

A see (4)

CT7 see (5)

00 see (6)

W16 see (7)

(1)

P1 : Dual Diode

P2 : SCR / Diode

P3 : Dual SCR

P7 : Diode / SCR

(2), (3), (4) Package Style

(3) indicate size of the Block & elements

(5)

Element code

(6)

Special Features

00 : Module includes standard thermistor

XT : no thermistor

Other codes for customer specifications

(7)

Rated voltage

W04 : 400V

W08 : 800V

"

W16 : 1600V

"

W30 : 3000V

All values shown in this document are subject to change for product improvement. The information, diagrams and all other data included herein are believed to be correct and reliable.