

Fast Turn Off Thyristors - Stud Types

Westcode "P" series of fast switching thyristors have regenerative gate structure to ensure low switching losses and high di/dt performance. "P" Series devices are particularly attractive to; Inverter, DC chopper drives, UPS and Pulse Power applications. In addition to pressure contact technology these devices offer lower reverse recovery charge values, low forward switching losses and high reliability.

Type		V _{DRM} V _{RRM}	I _{TAV} T _C =55°C	I _{TSM}	I ² t 10ms ½ sine V _R 60% V _{RRM}	t _q @ 200V/μs	Typ. Reverse Recovery Charge T _{JM} , 50% Chord			V _{T0} r _T @ T _{JM}	T _{JM}	R _{thJC} 180° sine	Fig. No.	
Part No.	Old Part No.	V	A	A	A ² s	μs	Q _r μC	I _{TM} A	@-di/dt A/μs	V	mΩ	°C	K/W	
P0128SH10D	N/A	1000	128	1700	19 × 10 ³	20	25	100	10	1.60	2.49	125	0.23	W17
P0128SH10E	N/A	1000	128	1700	19 × 10 ³	25	25	100	10	1.60	2.49	125	0.23	W17
P0128SH10F	N/A	1000	128	1700	19 × 10 ³	30	25	100	10	1.60	2.49	125	0.23	W17
P0128SH12D	N/A	1200	128	1700	19 × 10 ³	20	25	100	10	1.60	2.49	125	0.23	W17
P0128SH12E	N/A	1200	128	1700	19 × 10 ³	25	25	100	10	1.60	2.49	125	0.23	W17
P0128SH12F	N/A	1200	128	1700	19 × 10 ³	30	25	100	10	1.60	2.49	125	0.23	W17
P0128SJ10D	N/A	1000	128	1700	19 × 10 ³	20	25	100	10	1.60	2.49	125	0.23	W16
P0128SJ10E	N/A	1000	128	1700	19 × 10 ³	25	25	100	10	1.60	2.49	125	0.23	W16
P0128SJ10F	N/A	1000	128	1700	19 × 10 ³	30	25	100	10	1.60	2.49	125	0.23	W16
P0128SJ12D	N/A	1200	128	1700	19 × 10 ³	20	25	100	10	1.60	2.49	125	0.23	W16
P0128SJ12E	N/A	1200	128	1700	19 × 10 ³	25	25	100	10	1.60	2.49	125	0.23	W16
P0128SJ12F	N/A	1200	128	1700	19 × 10 ³	30	25	100	10	1.60	2.49	125	0.23	W16
P0248SC10D	P200PH10	1000	248	2700	36.5 × 10 ³	20	25	300	20	1.60	1.23	125	0.12	W18
P0248SC10E	P200PH10	1000	248	2700	36.5 × 10 ³	25	25	300	20	1.60	1.23	125	0.12	W18
P0248SC10F	P200PH10	1000	248	2700	36.5 × 10 ³	30	25	300	20	1.60	1.23	125	0.12	W18
P0248SC12D	P200PH12	1200	248	2700	36.5 × 10 ³	20	25	300	20	1.60	1.23	125	0.12	W18
P0248SC12E	P200PH12	1200	248	2700	36.5 × 10 ³	25	25	300	20	1.60	1.23	125	0.12	W18
P0248SC12F	P200PH12	1200	248	2700	36.5 × 10 ³	30	25	300	20	1.60	1.23	125	0.12	W18
P0248SD10D	N/A	1000	248	2700	36.5 × 10 ³	20	25	300	20	1.60	1.23	125	0.12	W25
P0248SD10E	N/A	1000	248	2700	36.5 × 10 ³	25	25	300	20	1.60	1.23	125	0.12	W25
P0248SD10F	N/A	1000	248	2700	36.5 × 10 ³	30	25	300	20	1.60	1.23	125	0.12	W25
P0248SD12D	N/A	1200	248	2700	36.5 × 10 ³	20	25	300	20	1.60	1.23	125	0.12	W25
P0248SD12E	N/A	1200	248	2700	36.5 × 10 ³	25	25	300	20	1.60	1.23	125	0.12	W25
P0248SD12F	N/A	1200	248	2700	36.5 × 10 ³	30	25	300	20	1.60	1.23	125	0.12	W25
P0273SC10D	P202PH10	1000	273	3250	52.8 × 10 ³	20	45	300	20	1.55	0.87	125	0.12	W18
P0273SC10E	P202PH10	1000	273	3250	52.8 × 10 ³	25	45	300	20	1.55	0.87	125	0.12	W18
P0273SC10F	P202PH10	1000	273	3250	52.8 × 10 ³	30	45	300	20	1.55	0.87	125	0.12	W18
P0273SC12D	P202PH12	1200	273	3250	52.8 × 10 ³	20	45	300	20	1.55	0.87	125	0.12	W18
P0273SC12E	P202PH12	1200	273	3250	52.8 × 10 ³	25	45	300	20	1.55	0.87	125	0.12	W18
P0273SC12F	P202PH12	1200	273	3250	52.8 × 10 ³	30	45	300	20	1.55	0.87	125	0.12	W18
P0273SD10D	N/A	1000	273	3250	52.8 × 10 ³	20	45	300	20	1.55	0.87	125	0.12	W25
P0273SD10E	N/A	1000	273	3250	52.8 × 10 ³	25	45	300	20	1.55	0.87	125	0.12	W25
P0273SD10F	N/A	1000	273	3250	52.8 × 10 ³	30	45	300	20	1.55	0.87	125	0.12	W25
P0273SD12D	N/A	1200	273	3250	52.8 × 10 ³	20	45	300	20	1.55	0.87	125	0.12	W25
P0273SD12E	N/A	1200	273	3250	52.8 × 10 ³	25	45	300	20	1.55	0.87	125	0.12	W25
P0273SD12F	N/A	1200	273	3250	52.8 × 10 ³	30	45	300	20	1.55	0.87	125	0.12	W25

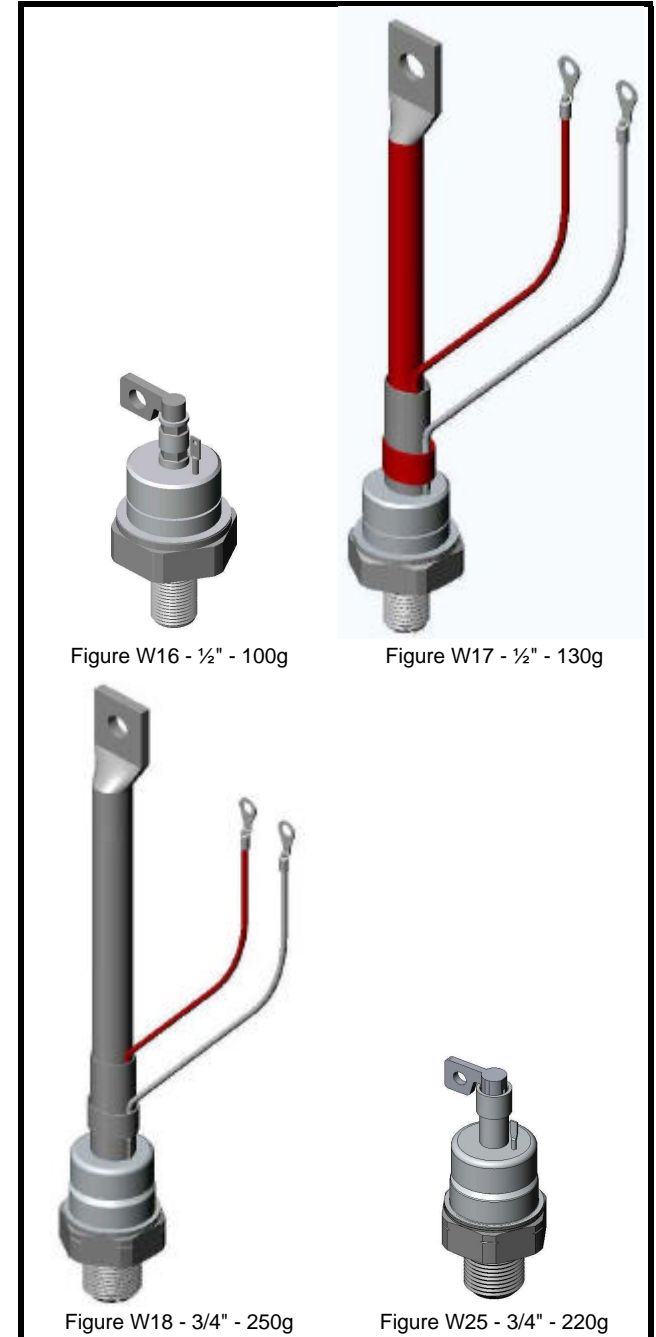


Figure W16 - ½" - 100g

Figure W17 - ½" - 130g

Figure W18 - ¾" - 250g

Figure W25 - ¾" - 220g

Type		V _{DRM} V _{RRM}	I _{TAV} T _C =55°C	I _{TSM}	I ² t 10ms ½ sine V _R 60% V _{RRM}	t _q @ 200V/μs	Typ. Reverse Recovery Charge T _{JM} , 50% Chord			V _{T0} @ T _{JM}	r _T @ T _{JM}	T _{JM}	R _{thJC} d.c. 180° sine	Fig. No.
Part No.	Old Part No.	V	A	A	A ² s	μs	Q _r μC	I _{TM} A	@-di/dt A/μs	V	mΩ	°C	K/W	
P0306SC04A	P214PH04	400	306	4700	101 x 10 ³	10	25	300	20	1.40	0.67	125	0.12	W18
P0306SC04B	P214PH04	400	306	4700	101 x 10 ³	12	25	300	20	1.40	0.67	125	0.12	W18
P0306SC04C	P214PH04	400	306	4700	101 x 10 ³	15	25	300	20	1.40	0.67	125	0.12	W18
P0306SC08A	P214PH08	800	306	4700	101 x 10 ³	10	25	300	20	1.40	0.67	125	0.12	W18
P0306SC08B	P214PH08	800	306	4700	101 x 10 ³	12	25	300	20	1.40	0.67	125	0.12	W18
P0306SC08C	P214PH08	800	306	4700	101 x 10 ³	15	25	300	20	1.40	0.67	125	0.12	W18
P0306SD04A	N/A	400	306	4700	101 x 10 ³	10	25	300	20	1.40	0.67	125	0.12	W25
P0306SD04B	N/A	400	306	4700	101 x 10 ³	12	25	300	20	1.40	0.67	125	0.12	W25
P0306SD04C	N/A	400	306	4700	101 x 10 ³	15	25	300	20	1.40	0.67	125	0.12	W25
P0306SD08A	N/A	800	306	4700	101 x 10 ³	10	25	300	20	1.40	0.67	125	0.12	W25
P0306SD08B	N/A	800	306	4700	101 x 10 ³	12	25	300	20	1.40	0.67	125	0.12	W25
P0306SD08C	N/A	800	306	4700	101 x 10 ³	15	25	300	20	1.40	0.67	125	0.12	W25
P0311SC10E	P205PH10	1000	311	3600	64.8 x 10 ³	25	30	300	20	1.17	0.92	125	0.12	W18
P0311SC10F	P205PH10	1000	311	3600	64.8 x 10 ³	30	30	300	20	1.17	0.92	125	0.12	W18
P0311SC10G	P205PH10	1000	311	3600	64.8 x 10 ³	35	30	300	20	1.17	0.92	125	0.12	W18
P0311SC12E	P205PH12	1200	311	3600	64.8 x 10 ³	25	30	300	20	1.17	0.92	125	0.12	W18
P0311SC12F	P205PH12	1200	311	3600	64.8 x 10 ³	30	30	300	20	1.17	0.92	125	0.12	W18
P0311SC12G	P205PH12	1200	311	3600	64.8 x 10 ³	35	30	300	20	1.17	0.92	125	0.12	W18
P0311SD10E	N/A	1000	311	3600	64.8 x 10 ³	25	30	300	20	1.17	0.92	125	0.12	W25
P0311SD10F	N/A	1000	311	3600	64.8 x 10 ³	30	30	300	20	1.17	0.92	125	0.12	W25
P0311SD10G	N/A	1000	311	3600	64.8 x 10 ³	35	30	300	20	1.17	0.92	125	0.12	W25
P0311SD12E	N/A	1200	311	3600	64.8 x 10 ³	25	30	300	20	1.17	0.92	125	0.12	W25
P0311SD12F	N/A	1200	311	3600	64.8 x 10 ³	30	30	300	20	1.17	0.92	125	0.12	W25
P0311SD12G	N/A	1200	311	3600	64.8 x 10 ³	35	30	300	20	1.17	0.92	125	0.12	W25
P0330SC04C	P215PH04	400	330	5000	125 x 10 ³	15	30	300	20	1.05	0.88	125	0.12	W18
P0330SC04D	P215PH04	400	330	5000	125 x 10 ³	20	30	300	20	1.05	0.88	125	0.12	W18
P0330SC08C	P215PH08	800	330	5000	125 x 10 ³	15	30	300	20	1.05	0.88	125	0.12	W18
P0330SC08D	P215PH08	800	330	5000	125 x 10 ³	20	30	300	20	1.05	0.88	125	0.12	W18
P0330SD04C	N/A	400	330	5000	125 x 10 ³	15	30	300	20	1.05	0.88	125	0.12	W25
P0330SD04D	N/A	400	330	5000	125 x 10 ³	20	30	300	20	1.05	0.88	125	0.12	W25
P0330SD08C	N/A	800	330	5000	125 x 10 ³	15	30	300	20	1.05	0.88	125	0.12	W25
P0330SD08D	N/A	800	330	5000	125 x 10 ³	20	30	300	20	1.05	0.88	125	0.12	W25
P0431SC04B	P270PH04	400	431	6500	211 x 10 ³	12	106	300	20	0.95	0.38	125	0.12	W18
P0431SC04C	P270PH04	400	431	6500	211 x 10 ³	15	106	300	20	0.95	0.38	125	0.12	W18
P0431SC06B	P270PH06	600	431	6500	211 x 10 ³	12	106	300	20	0.95	0.38	125	0.12	W18
P0431SC06C	P270PH06	600	431	6500	211 x 10 ³	15	106	300	20	0.95	0.38	125	0.12	W18
P0431SD04B	N/A	400	431	6500	211 x 10 ³	12	106	300	20	0.95	0.38	125	0.12	W25
P0431SD04C	N/A	400	431	6500	211 x 10 ³	15	106	300	20	0.95	0.38	125	0.12	W25
P0431SD06B	N/A	600	431	6500	211 x 10 ³	12	106	300	20	0.95	0.38	125	0.12	W25
P0431SD06C	N/A	600	431	6500	211 x 10 ³	15	106	300	20	0.95	0.38	125	0.12	W25



Figure W18 - 3/4" - 250g

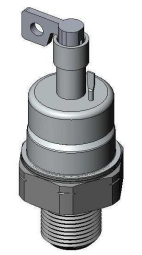


Figure W25 - 3/4" - 220g