

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} $T_c=55^\circ C$	I_{TSM} 10ms ½ sine	I^2t $V_R=60\% V_{RRM}$	t_q @ 200V/ μs	Typ. Reverse Recovery Charge T_{JM} 50% Chord			V_{T0}	r_T	T_{JM}	R_{dsc} d.c.	Fig No.
Part No.	Old Part No.	V	A	A	A^2s	μs	Q_r	@ I_{TM}	@-di/dt	V	m?	$^\circ C$	180° sine K/W	
New> P0128SH10D	N/A	1000	128	1700	19×10^3	20	25	100	10	1.60	2.49	125	0.23	W17
New> P0128SH10E	N/A	1000	128	1700	19×10^3	25	25	100	10	1.60	2.49	125	0.23	W17
New> P0128SH10F	N/A	1000	128	1700	19×10^3	30	25	100	10	1.60	2.49	125	0.23	W17
New> P0128SH12D	N/A	1200	128	1700	19×10^3	20	25	100	10	1.60	2.49	125	0.23	W17
New> P0128SH12E	N/A	1200	128	1700	19×10^3	25	25	100	10	1.60	2.49	125	0.23	W17
New> P0128SH12F	N/A	1200	128	1700	19×10^3	30	25	100	10	1.60	2.49	125	0.23	W17
New> P0128SJ10D	N/A	1000	128	1700	19×10^3	20	25	100	10	1.60	2.49	125	0.23	W16
New> P0128SJ10E	N/A	1000	128	1700	19×10^3	25	25	100	10	1.60	2.49	125	0.23	W16
New> P0128SJ10F	N/A	1000	128	1700	19×10^3	30	25	100	10	1.60	2.49	125	0.23	W16
New> P0128SJ12D	N/A	1200	128	1700	19×10^3	20	25	100	10	1.60	2.49	125	0.23	W16
New> P0128SJ12E	N/A	1200	128	1700	19×10^3	25	25	100	10	1.60	2.49	125	0.23	W16
New> 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	44.1×10^3	20	25	300	20	1.60	1.23	125	0.12	W18
P0248SC10E	P200PH10	1000	248	2700	44.1×10^3	25	25	300	20	1.60	1.23	125	0.12	W18
P0248SC10F	P200PH10	1000	248	2700	44.1×10^3	30	25	300	20	1.60	1.23	125	0.12	W18
P0248SC12D	P200PH12	1200	248	2700	44.1×10^3	20	25	300	20	1.60	1.23	125	0.12	W18
P0248SC12E	P200PH12	1200	248	2700	44.1×10^3	25	25	300	20	1.60	1.23	125	0.12	W18
P0248SC12F	P200PH12	1200	248	2700	44.1×10^3	30	25	300	20	1.60	1.23	125	0.12	W18
New> P0248SD10D	N/A	1000	248	2700	44.1×10^3	20	25	300	20	1.60	1.23	125	0.12	W25
New> P0248SD10E	N/A	1000	248	2700	44.1×10^3	25	25	300	20	1.60	1.23	125	0.12	W25
New> P0248SD10F	N/A	1000	248	2700	44.1×10^3	30	25	300	20	1.60	1.23	125	0.12	W25
New> P0248SD12D	N/A	1200	248	2700	44.1×10^3	20	25	300	20	1.60	1.23	125	0.12	W25
New> P0248SD12E	N/A	1200	248	2700	44.1×10^3	25	25	300	20	1.60	1.23	125	0.12	W25
New> P0248SD12F	N/A	1200	248	2700	44.1×10^3	30	25	300	20	1.60	1.23	125	0.12	W25
P0273SC10D	P202PH10	1000	273	3250	63.9×10^3	20	30	300	20	1.55	0.87	125	0.12	W18
P0273SC10E	P202PH10	1000	273	3250	63.9×10^3	25	30	300	20	1.55	0.87	125	0.12	W18
P0273SC10F	P202PH10	1000	273	3250	63.9×10^3	30	30	300	20	1.55	0.87	125	0.12	W18
P0273SC12D	P202PH12	1200	273	3250	63.9×10^3	20	30	300	20	1.55	0.87	125	0.12	W18
P0273SC12E	P202PH12	1200	273	3250	63.9×10^3	25	30	300	20	1.55	0.87	125	0.12	W18
P0273SC12F	P202PH12	1200	273	3250	63.9×10^3	30	30	300	20	1.55	0.87	125	0.12	W18
P0273SD10D	N/A	1000	273	3250	63.9×10^3	20	30	300	20	1.55	0.87	125	0.12	W25
P0273SD10E	N/A	1000	273	3250	63.9×10^3	25	30	300	20	1.55	0.87	125	0.12	W25
P0273SD10F	N/A	1000	273	3250	63.9×10^3	30	30	300	20	1.55	0.87	125	0.12	W25
P0273SD12D	N/A	1200	273	3250	63.9×10^3	20	30	300	20	1.55	0.87	125	0.12	W25
P0273SD12E	N/A	1200	273	3250	63.9×10^3	25	30	300	20	1.55	0.87	125	0.12	W25
P0273SD12F	N/A	1200	273	3250	63.9×10^3	30	30	300	20	1.55	0.87	125	0.12	W25
P0306SC04A	P214PH04	400	306	4700	134×10^3	10	20	300	20	1.40	0.67	125	0.12	W18
P0306SC04B	P214PH04	400	306	4700	134×10^3	12	20	300	20	1.40	0.67	125	0.12	W18
P0306SC04C	P214PH04	400	306	4700	134×10^3	15	20	300	20	1.40	0.67	125	0.12	W18
P0306SC08A	P214PH08	800	306	4700	134×10^3	10	20	300	20	1.40	0.67	125	0.12	W18
P0306SC08B	P214PH08	800	306	4700	134×10^3	12	20	300	20	1.40	0.67	125	0.12	W18
P0306SC08C	P214PH08	800	306	4700	134×10^3	15	20	300	20	1.40	0.67	125	0.12	W18
P0306SD04A	N/A	400	306	4700	134×10^3	10	20	300	20	1.40	0.67	125	0.12	W25
P0306SD04B	N/A	400	306	4700	134×10^3	12	20	300	20	1.40	0.67	125	0.12	W25
P0306SD04C	N/A	400	306	4700	134×10^3	15	20	300	20	1.40	0.67	125	0.12	W25
P0306SD08A	N/A	800	306	4700	134×10^3	10	20	300	20	1.40	0.67	125	0.12	W25
P0306SD08B	N/A	800	306	4700	134×10^3	12	20	300	20	1.40	0.67	125	0.12	W25
P0306SD08C	N/A	800	306	4700	134×10^3	15	20	300	20	1.40	0.67	125	0.12	W25
P0311SC10E	P205PH10	1000	311	3600	78.4×10^3	25	45	300	20	1.17	0.92	125	0.12	W18
P0311SC10F	P205PH10	1000	311	3600	78.4×10^3	30	45	300	20	1.17	0.92	125	0.12	W18
P0311SC10G	P205PH10	1000	311	3600	78.4×10^3	35	45	300	20	1.17	0.92	125	0.12	W18
P0311SC12E	P205PH12	1200	311	3600	78.4×10^3	25	45	300	20	1.17	0.92	125	0.12	W18
P0311SC12F	P205PH12	1200	311	3600	78.4×10^3	30	45	300	20	1.17	0.92	125	0.12	W18
P0311SC12G	P205PH12	1200	311	3600	78.4×10^3	35	45	300	20	1.17	0.92	125	0.12	W18
P0311SD10E	N/A	1000	311	3600	78.4×10^3	25	45	300	20	1.17	0.92	125	0.12	W25
P0311SD10F	N/A	1000	311	3600	78.4×10^3	30	45	300	20	1.17	0.92	125	0.12	W25
P0311SD10G	N/A	1000	311	3600	78.4×10^3	35	45	300	20	1.17	0.92	125	0.12	W25
P0311SD12E	N/A	1200	311	3600	78.4×10^3	25	45	300	20	1.17	0.92	125	0.12	W25
P0311SD12F	N/A	1200	311	3600	78.4×10^3	30	45	300	20	1.17	0.92	125	0.12	W25
P0311SD12G	N/A	1200	311	3600	78.4×10^3	35	45	300	20	1.17	0.92	125	0.12	W25
P0330SC04C	P215PH04	400	330	5000	151×10^3	15	30	300	20	1.05	0.88	125	0.12	W18
P0330SC04D	P215PH04	400	330	5000	151×10^3	20	30	300	20	1.05	0.88	125	0.12	W18
P0330SC08C	P215PH08	800	330	5000	151×10^3	15	30	300	20	1.05	0.88	125	0.12	W18
P0330SC08D	P215PH08	800	330	5000	151×10^3	20	30	300	20	1.05	0.88	125	0.12	W18
P0330SD04C	N/A	400	330	5000	151×10^3	15	30	300	20	1.05	0.88	125	0.12	W25
P0330SD04D	N/A	400	330	5000	151×10^3	20	30	300	20	1.05	0.88	125	0.12	W25
P0330SD08C	N/A	800	330	5000	151×10^3	15	30	300	20	1.05	0.88	125	0.12	W25
P0330SD08D	N/A	800	330	5000	151×10^3	20	30	300	20	1.05	0.88	125	0.12	W25
P0431SC04B	P270PH04	400	431	6500	256×10^3	12	70	300	20	0.95	0.38	125	0.12	W18
P0431SC04C	P270PH04	400	431	6500	256×10^3	15	70	300	20	0.95	0.38	125	0.12	W18
P0431SC06B	P270PH06	600	431	6500	256×10^3	12	70	300	20	0.95	0.38	125	0.12	W18
P0431SC06C	P270PH06	600	431	6500	256×10^3	15	70	300	20	0.95	0.38	125	0.12	W18
P0431SD04B	N/A	400	431	6500	256×10^3	12	70	300	20	0.95	0.38	125	0.12	W25
P0431SD04C	N/A	400	431	6500	256×10^3	15	70	300	20	0.95	0.38	125	0.12	W25
P0431SD06B	N/A	600	431	6500	256×10^3	12	70	300	20	0.95	0.38	125	0.12	W25
P0431SD06C	N/A	600	431	6500	256×10^3	15	70	300	20	0.95	0.38	125	0.12	W25