

# Fast Turn-Off Thyristors - Capsule Types

WESTCODE

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		$V_{DRM}$	$I_{TAV}$	$I_{TSM}$	$I^2t$	$t_q$	Typ. Reverse Recov. Charge			$V_{TO}$	$r_T$	$T_{JM}$	$R_{thJK}$	Fig. No.
Part No.	Old Part No.	$V_{RRM}$	$T_K = 55^\circ C$	10 ms 1/2 sine	180° sine	@	$T_{JM}, 50\% \text{ Chord}$			@ $T_{JM}$		d.c.		
➤ New		V	A	$V_R \leq 60\% V_{RRM}$	$A^2s$	200 V/ $\mu s$	$Q_{ra}$	@ $I_{TM}$	@ -di/dt	V	m $\Omega$	°C	K/W	
P0295WC12D	P200CH12	1200	295	2700	$36.5 \times 10^3$	20	25	300	20	1.600	1.230	125	0.095	W8
P0295WC12E	P200CH12	1200	295	2700	$36.5 \times 10^3$	25	25	300	20	1.600	1.230	125	0.095	W8
P0295WC12F	P200CH12	1200	295	2700	$36.5 \times 10^3$	30	25	300	20	1.600	1.230	125	0.095	W8
➤ P0327WC08D	P202CH08	800	327	3250	$52.8 \times 10^3$	20	45	300	20	1.550	0.870	125	0.095	W8
➤ P0327WC08E	P202CH08	800	327	3250	$52.8 \times 10^3$	25	45	300	20	1.550	0.870	125	0.095	W8
➤ P0327WC08F	P202CH08	800	327	3250	$52.8 \times 10^3$	30	45	300	20	1.550	0.870	125	0.095	W8
➤ P0327WC10D	P202CH10	1000	327	3250	$52.8 \times 10^3$	20	45	300	20	1.550	0.870	125	0.095	W8
➤ P0327WC10E	P202CH10	1000	327	3250	$52.8 \times 10^3$	25	45	300	20	1.550	0.870	125	0.095	W8
➤ P0327WC10F	P202CH10	1000	327	3250	$52.8 \times 10^3$	30	45	300	20	1.550	0.870	125	0.095	W8
P0327WC12D	P202CH12	1200	327	3250	$52.8 \times 10^3$	20	45	300	20	1.550	0.870	125	0.095	W8
P0327WC12E	P202CH12	1200	327	3250	$52.8 \times 10^3$	25	45	300	20	1.550	0.870	125	0.095	W8
P0327WC12F	P202CH12	1200	327	3250	$52.8 \times 10^3$	30	45	300	20	1.550	0.870	125	0.095	W8
P0366WC04A	P214CH04	400	366	4700	$110 \times 10^3$	10	20	300	20	1.400	0.670	125	0.095	W8
P0366WC04B	P214CH04	400	366	4700	$110 \times 10^3$	12	20	300	20	1.400	0.670	125	0.095	W8
P0366WC04C	P214CH04	400	366	4700	$110 \times 10^3$	15	20	300	20	1.400	0.670	125	0.095	W8
➤ P0366WC04D	P214CH04	400	366	4700	$110 \times 10^3$	20	20	300	20	1.400	0.670	125	0.095	W8
P0366WC06A	P214CH06	600	366	4700	$110 \times 10^3$	10	20	300	20	1.400	0.670	125	0.095	W8
P0366WC06B	P214CH06	600	366	4700	$110 \times 10^3$	12	20	300	20	1.400	0.670	125	0.095	W8
P0366WC06C	P214CH06	600	366	4700	$110 \times 10^3$	15	20	300	20	1.400	0.670	125	0.095	W8
➤ P0366WC06D	P214CH06	600	366	4700	$110 \times 10^3$	20	20	300	20	1.400	0.670	125	0.095	W8
P0366WC08A	P214CH08	800	366	4700	$110 \times 10^3$	10	20	300	20	1.400	0.670	125	0.095	W8
P0366WC08B	P214CH08	800	366	4700	$110 \times 10^3$	12	20	300	20	1.400	0.670	125	0.095	W8
P0366WC08C	P214CH08	800	366	4700	$110 \times 10^3$	15	20	300	20	1.400	0.670	125	0.095	W8
➤ P0366WC08D	P214CH08	800	366	4700	$110 \times 10^3$	20	20	300	20	1.400	0.670	125	0.095	W8
P0367WC12E	P205CH12	1200	367	3600	$64.8 \times 10^3$	25	45	300	20	1.170	0.920	125	0.095	W8
P0367WC12F	P205CH12	1200	367	3600	$64.8 \times 10^3$	30	45	300	20	1.170	0.920	125	0.095	W8
P0367WC12G	P205CH12	1200	367	3600	$64.8 \times 10^3$	35	45	300	20	1.170	0.920	125	0.095	W8
➤ P0389WC04B	P215CH04	400	389	5000	$125 \times 10^3$	12	30	300	20	1.050	0.880	125	0.095	W8
P0389WC04C	P215CH04	400	389	5000	$125 \times 10^3$	15	30	300	20	1.050	0.880	125	0.095	W8
P0389WC04D	P215CH04	400	389	5000	$125 \times 10^3$	20	30	300	20	1.050	0.880	125	0.095	W8
➤ P0389WC08B	P215CH08	800	389	5000	$125 \times 10^3$	12	30	300	20	1.050	0.880	125	0.095	W8
P0389WC08C	P215CH08	800	389	5000	$125 \times 10^3$	15	30	300	20	1.050	0.880	125	0.095	W8
P0389WC08D	P215CH08	800	389	5000	$125 \times 10^3$	20	30	300	20	1.050	0.880	125	0.095	W8
P0515WC04C	P270CH04	400	515	6500	$211 \times 10^3$	15	100	300	20	0.950	0.377	125	0.095	W8
P0515WC04D	P270CH04	400	515	6500	$211 \times 10^3$	20	100	300	20	0.950	0.377	125	0.095	W8
P0515WC06C	P270CH06	600	515	6500	$211 \times 10^3$	15	100	300	20	0.950	0.377	125	0.095	W8
P0515WC06D	P270CH06	600	515	6500	$211 \times 10^3$	20	100	300	20	0.950	0.377	125	0.095	W8
P0848YS04B	P280SH04	400	848	8750	$383 \times 10^3$	12	80	550	40	1.010	0.305	125	0.050	W9
P0848YS04C	P280SH04	400	848	8750	$383 \times 10^3$	15	80	550	40	1.010	0.305	125	0.050	W9
P0848YS04D	P280SH04	400	848	8750	$383 \times 10^3$	20	80	550	40	1.010	0.305	125	0.050	W9
P0848YS06B	P280SH06	600	848	8750	$383 \times 10^3$	12	80	550	40	1.010	0.305	125	0.050	W9
P0848YS06C	P280SH06	600	848	8750	$383 \times 10^3$	15	80	550	40	1.010	0.305	125	0.050	W9
P0848YS06D	P280SH06	600	848	8750	$383 \times 10^3$	20	80	550	40	1.010	0.305	125	0.050	W9
P1007LS08D	P300SH800	800	1007	9500	$451 \times 10^3$	20	200	800	50	1.509	0.265	125	0.032	W60
P1007LS08E	P300SH800	800	1007	9500	$451 \times 10^3$	25	200	800	50	1.509	0.265	125	0.032	W60
P1007LS08F	P300SH800	800	1007	9500	$451 \times 10^3$	30	200	800	50	1.509	0.265	125	0.032	W60
P1007LS12D	P300SH12	1200	1007	9500	$451 \times 10^3$	20	200	800	50	1.509	0.265	125	0.032	W60
P1007LS12E	P300SH12	1200	1007	9500	$451 \times 10^3$	25	200	800	50	1.509	0.265	125	0.032	W60
P1007LS12F	P300SH12	1200	1007	9500	$451 \times 10^3$	30	200	800	50	1.509	0.265	125	0.032	W60



W8 Weight 70 g



W9 Weight 90 g



W60 Weight 340 g

Outlines on pages O-01...O-24