Fast Turn-off Thyristors ~ Capsule types

Type	V_{DRM} V_{RRM} Range (Note 3) (V)	Turn-off Time Tq at 200V/µs (Tables 3,4) (µs)	I_{TAV} T_{hs} 55°C (A)	$I_{T(RMS)}$ @ 25°C (A)	I_T @ 25°C (A)	$I_{TSM(1)}$ 10ms $V_R \leq 60\%$ V_{RRM} (Note 1) (A)	$I_{TSM(2)}$ 10ms $V_R \leq 10V$ (Note 1) (A)	I^2t (2) 10ms (Note 1) (A^2s)	Qra 50% Chord 125°C Typ (Table 4) (µC)	di/dt Non-Rep/ Rep (A/µs)	I_{DRM} I_{RRM} (mA)
P080CH	200-1400	25-40 (2)	175	350	290	1500	1650	13.6×10^3	25 (2)	1000/500	20
P086CH	200-1200	25-40 (2)	190	385	315	1700	1950	19.0×10^3	20 (2)	1000/500	20
P095CH	200-1200	25-40 (2)	215	428	356	1850	2035	20.7×10^3	20 (2)	1000/500	20
P100CH	200-800	12-30 (2)	215	440	336	1800	1980	19.6×10^3	20 (2)	1000/500	20
P105CH	200-800	12-30 (2)	240	490	395	2200	2420	29.3×10^3	20 (2)	1000/500	20
P140CH	200-500	10-15 (2)	354	720	568	3280	3610	65.1×10^3	20 (2)	1000/500	30
P200CH	200-1200	25-40 (3)	295	600	480	2700	2970	44.1×10^3	25 (3)	1000/500	30
P202CH	200-1200	25-40 (3)	330	670	525	3250	3575	63.9×10^3	30 (3)	1000/500	30
P205CH	200-1200	30-40 (3)	370	740	610	3600	3960	78.4×10^3	45 (3)	1000/500	30
P214CH	200-800	15-30 (3)	370	755	590	4700	5170	134×10^3	20 (3)	1000/500	30
P215CH	200-800	10-30 (3)	390	780	650	5000	5500	151×10^3	30 (3)	1000/500	30
P270CH	200-500	10-25 (3)	516	1050	835	6500	7150	256×10^3	70 (3)	1000/500	30
P280CH	200-500	10-25 (4)	850	1720	1385	8750	9625	463×10^3	80 (4)	1000/500	50
P300CH	200-1200	20-35 (5)	745	1535	1180	9500	10450	546×10^3	120 (5)	1000/500	75
P370CH	200-800	12-30 (5)	840	1710	1350	12300	13500	910×10^3	90 (5)	1000/500	75
P440CHΔ	2600-3600	400-500 (14)	1150	2320	1920	15000	16000	1.3×10^6	1800 (14)	500/250	100
P480CH	2000-3200	200-300 (14)	1183	2343	2010	10646	11710	686×10^3	1400 (14)	600/300	100
P855CHΔ	2600-4400	400-500 (14)	1935	3770	3390	25000	27500	3.78×10^6	4000 (14)	1000/500	150
P880CH	2600-4200	400-500 (10)	1995*	3885*	3490*	18200	20000	2.0×10^6	2625 (10)	1500/1000	150

Δ New Product

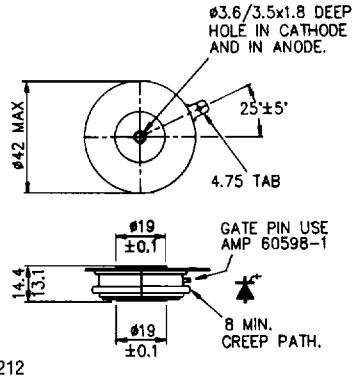
* Denotes up-rating

* To I_{TM} of 2 x $I_{T(AV)}$ in accordance with IEC 747-6

I_{GT} / V_{GT}	I_H	V_{TM} at I_{TM} (Tj 125°C)	V_0 (Tj 125°C) (Note 2)	r	Rth j-hs d.c. & 180° sine	Rth j-hs 120° Rect.	Weight (typical)	Mounting Force	Fig. No.	Type
(mA) (V)	(mA)	(V) (A)	(V)	(mΩ)	(K/W)	(K/W)	(g)	(kgf)		
200/3	600	2.99/430	1.70	3.00	0.135	0.19	70	330-550	1	**P080C**
200/3	600	2.62/430	1.64	2.29	0.135	0.19	70	330-550	1	**P086C**
200/3	600	2.23/430	1.35	2.04	0.135	0.19	70	330-550	1	**P095C**
200/3	600	2.32/430	1.79	1.23	0.135	0.19	70	330-550	1	**P100C**
200/3	600	1.92/430	1.32	1.39	0.135	0.19	70	330-550	1	**P105C**
200/3	600	1.27/430	0.95	0.747	0.135	0.19	70	330-550	1	**P140C**
200/3	600	2.48/715	1.60	1.23	0.095	0.11	70	330-550	1	**P200C**
200/3	600	2.17/715	1.55	0.87	0.095	0.11	70	330-550	1	**P202C**
200/3	600	1.83/715	1.17	0.92	0.095	0.11	70	330-550	1	**P205C**
200/3	600	1.88/715	1.40	0.67	0.095	0.11	70	330-550	1	**P214C**
200/3	600	1.68/715	1.05	0.88	0.095	0.11	70	330-550	1	**P215C**
200/3	600	1.39/1160	0.95	0.377	0.095	0.11	70	330-550	1	**P270C**
200/3	600	1.47/1490	1.04	0.29	0.05	0.065	80	530-1000	2	**P280C**
300/3	1000	1.90/1500	1.43	0.31	0.047	0.06	340	1000-2000	3	**P300C**
300/3	1000	1.68/1700	1.20	0.28	0.047	0.06	340	1000-2000	3	**P370C**
300/3	1000	2.20/2000	1.45	0.375	0.024	0.029	510	1900-2600	4	**P440C**
300/3	1000	2.10/2000	1.21	0.43	0.024	0.029	510	1900-2600	4	**P480C**
300/3	1000	2.51/3000	1.20	0.437	0.011	0.012	1700	2700-4700	5	**P855C**
300/3	1000	2.40/3000	1.18	0.408	0.011	0.012	1700	2700-4700	5	**P880C**

Fast Turn-off Thyristors ~ Outlines

1



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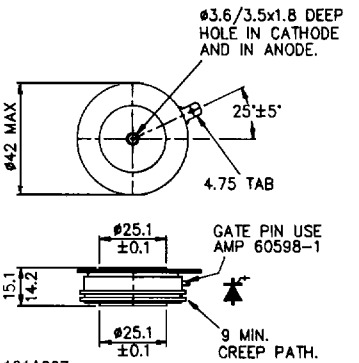

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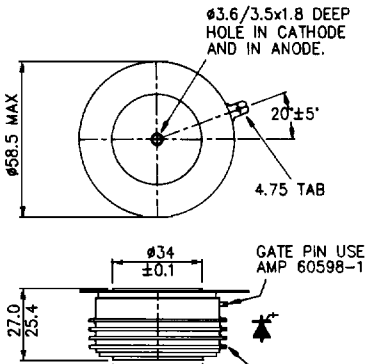

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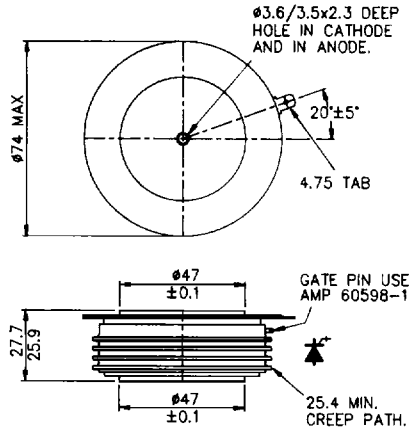

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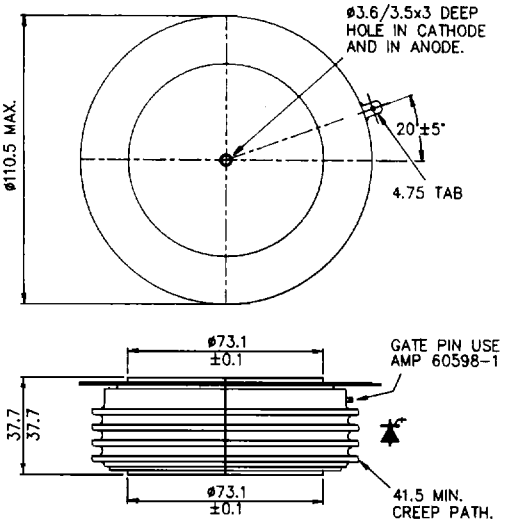

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