

Gate Turn-off Thyristors ~ All types

Symmetrical Types

Type	V_{DRM}	V_{RRM}	V_{GK}	$I_{TGOM} @ C_s$		$I_{T(AV)}$	$I_{T(RMS)}$	$I_{TSM(1)}$	$I_{TSM(2)}$	I^2t
	$V_{GK} = -2V$			$T_{SINK} = 55^\circ C$	$T_{CASE} = 25^\circ C$	10ms	2ms			
	(Note 1) (V)	(Note 1) (V)	(Note 2) (V)	(A)	(μF)	(Note 3) (A)	(Note 3) (A)	(Note 4) (kA)	(Note 4) (kA)	(Note 4) (A ² s)
WG5012Rxx to 25Rxx	1200-2500	100-2000	18	500	1	330	640	4	7.2	80 x 10 ³
WG6006Rxx to 18Rxx	600-1800	100-1400	18	600	1.5	430	870	5	9	130 x 10 ³
WG9006Rxx to 14Rxx	600-1400	100-1100	18	900	3	445	890	5.5	9.8	150 x 10 ³
WG10026Rxx to 36Rxx	2600-3600	100-2800	18	1000	2	600	1180	10	18	500 x 10 ³
WG10037Rxx to 45Rxx	3700-4500	100-3600	18	1000	2	470	920	7	13	240 x 10 ³
WG12008Rxx to 25Rxx	800-2500	100-2000	18	1200	3	790	1600	13	23	840 x 10 ³
WG12026Rxx to 36Rxx	2600-3600	100-2800	18	1200	3	600	1180	10	18	500 x 10 ³
WG12037Rxx to 45Rxx	3700-4500	100-3600	18	1200	3	470	920	7	13	240 x 10 ³
WG14008Rxx to 25Rxx	800-2500	100-2000	18	1400	4	790	1600	13	23	840 x 10 ³
WG15008Rxx to 25Rxx	800-2500	100-2000	18	1500	3	1020	1995	18	32.5	1.6 x 10 ⁶
WG15026Rxx to 45Rxx	2600-4500	100-3600	18	1500	3	800	1580	16	29	1.3 x 10 ⁶
WG18008Rxx to 25Rxx	800-2500	100-2000	18	1800	4	1100	2150	20	36	2 x 10 ⁶
WG18026Rxx to 45Rxx	2600-4500	100-3600	18	1800	4	850	1685	17	30	1.4 x 10 ⁶

Fast Symmetrical Types

WG5012FRxx to 25FRxx	1200-2500	100-2000	18	500	1	280	540	3	5.4	45 x 10 ³
WG6006FRxx to 18FRxx	600-1800	100-1400	18	600	1.5	360	700	4	7.2	80 x 10 ³
WG9006FRxx to 14FRxx	600-1400	100-1100	18	900	3	370	730	4.5	8.1	100 x 10 ³
WG10026FRxx to 36FRxx	2600-3600	100-2800	18	1000	2	545	980	8.3	15	340 x 10 ³
WG10037FRxx to 45FRxx	3700-4500	100-3600	18	1000	2	420	820	5.7	10	160 x 10 ³
WG12008FRxx to 25FRxx	800-2500	100-2000	18	1200	3	670	1340	10.5	19	550 x 10 ³
WG12026FRxx to 36FRxx	2600-3600	100-2800	18	1200	3	545	980	8.3	15	340 x 10 ³
WG12037FRxx to 45FRxx	3700-4500	100-3600	18	1200	3	420	820	5.7	10	160 x 10 ³
WG14008FRxx to 25FRxx	800-2500	100-2000	18	1400	4	670	1340	10.5	19	550 x 10 ³

Anode Short Types

WG5026S to 45S	2600-4500	18	18	500	1	390	760	4.5	8.1	100 x 10 ³
WG7008S to 25S	800-2500	18	18	700	1	555	1085	7	13	240 x 10 ³
WG8026S to 45S	2600-4500	18	18	800	1	440	855	5.5	9.8	150 x 10 ³
WG8046S to 60S	4600-6000	18	18	800	2	445	880	5.7	10	160 x 10 ³
WG10008S to 25S	800-2500	18	18	1000	2	595	1160	7.5	13	280 x 10 ³
WG10026S to 45S	2600-4500	18	18	1000	2	545	1065	8	14	320 x 10 ³
WG15008SP to 25SP	800-2500	18	18	1500	3	1170	2290	17	30	1.4 x 10 ⁶
WG15026SP to 45SP	2600-4500	18	18	1500	3	885	1730	16	29	1.3 x 10 ⁶
WG20008SP to 25SP	800-2500	18	18	2000	4	1260	2480	20	36	2 x 10 ⁶
WG20026SP to 45SP	2600-4500	18	18	2000	4	950	1860	18	32.5	1.6 x 10 ⁶
WG25008SM to 25SM	800-2500	18	18	2500	4	1915	3755	20	36	2 x 10 ⁶
WG30008S to 25S	800-2500	18	18	3000	6	1650	3240	20	36	2 x 10 ⁶
WG30026S to 45S	2600-4500	18	18	3000	4	1240	2510	20	36	2 x 10 ⁶

Tj = 125°C unless indicated

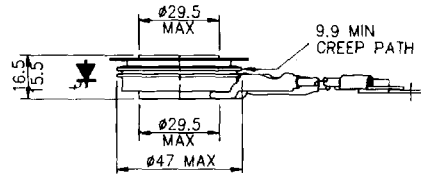
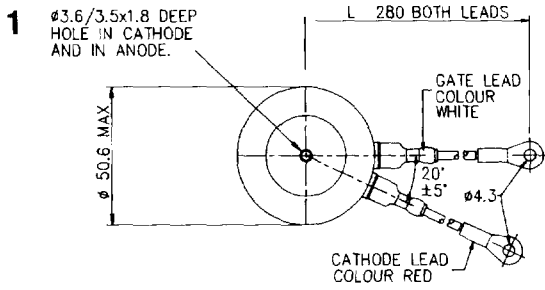
V_{TM} $I_T = I_{TGQM}$ (Note 5)	I_{GT} @ 25°C (A)	V_{GT} @ 25°C (Typ) (V)	$t_{gt} @ I_{GM}$ $I_T = I_{TGQM}$ (Note 6)		$t_{gg} @ di_{GD}/dt$ $I_T = I_{TGQM}$ (Note 6)		t_{on} (min)	t_{off} (min)	Rth j-hs (K/W)	Wt (g)	Mounting Force (kgf)	Fig. No.	Type
			(μs)	(A)	(μs)	(A/μs)	(μs)	(μs)					
2.5	1.0	0.8	5	10	11	20	20	90	0.065	120	450-900	1	WG5012 to 25
2.1	1.0	0.8	5	12	11	20	20	70	0.063	120	450-900	1	WG6006 to 18
2.3	1.0	0.8	5	15	13.5	20	20	75	0.063	120	450-900	1	WG9006 to 18
3.5	1.3	0.9	8	20	21	20	20	130	0.027	480	1500-2500	3	WG10026 to 36
5	1.3	0.9	8	20	21	20	20	155	0.027	480	1500-2500	3	WG10037 to 45
2.7	1.3	0.9	8	20	22	20	20	100	0.027	480	1500-2500	3	WG12008 to 25
3.8	1.3	0.9	8	20	23	20	20	140	0.027	480	1500-2500	3	WG12026 to 36
5.5	1.3	0.9	8	20	23	20	20	170	0.027	480	1500-2500	3	WG12037 to 45
2.9	1.3	0.9	8	20	24	20	20	120	0.027	480	1500-2500	3	WG14008 to 25
3	4	0.9	6	40	21	30	30	130	0.017	850	2000-3000	4	WG15008 to 25
4.5	4	0.9	6	40	21	30	30	210	0.017	850	2000-3000	4	WG15026 to 45
3	4	0.9	6	40	22	30	30	135	0.017	850	2000-3000	4	WG18008 to 25
4.5	4	0.9	6	40	22	30	30	220	0.017	850	2000-3000	4	WG18026 to 45

3.2	1.5	0.8	3	30	6	40	10	60	0.065	120	450-900	1	WG5012 to 25
2.6	1.5	0.8	3	30	6	40	10	45	0.063	120	450-900	1	WG6006 to 18
3	1.5	0.8	3	40	7	40	10	50	0.063	120	450-900	1	WG9006 to 18
4.5	2	0.9	7	40	14	40	20	105	0.027	480	1500-2500	3	WG10026 to 36
6	2	0.9	7	40	14	40	20	125	0.027	480	1500-2500	3	WG10037 to 45
3.3	2	0.9	7	40	13	40	20	80	0.027	480	1500-2500	3	WG12008 to 25
5	2	0.9	7	40	15.5	40	20	120	0.027	480	1500-2500	3	WG12026 to 36
6.7	2	0.9	7	40	15.5	40	20	140	0.027	480	1500-2500	3	WG12037 to 45
3.5	2	0.9	7	40	15	40	20	100	0.027	480	1500-2500	3	WG14008 to 25

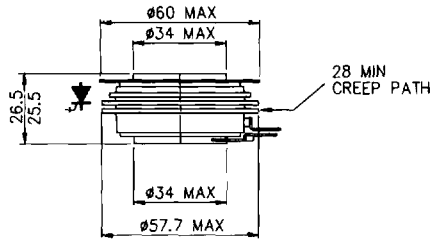
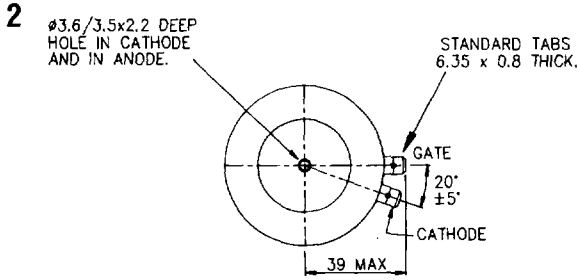
3.2	2	1	6	20	14	25	20	80	0.038	250	1000-1700	2	WG5026 to 45
2.3	2	1	4	20	16	25	20	70	0.038	250	1000-1700	2	WG7008 to 25
3.5	2	1	6	20	17	25	20	90	0.038	250	1000-1700	2	WG8026 to 45
5	2	1	6	20	15	25	20	150	0.027	480	1500-2500	3	WG8046 to 60
2.5	2	1	4	20	19	25	20	80	0.038	250	1000-1700	2	WG10008 to 25
4	2	1	6	20	18	25	20	80	0.027	480	1500-2500	3	WG10026 to 45
2.5	2	0.9	5	40	17	30	20	80	0.017	850	2000-3000	4	WG15008 to 25
3.8	2	0.9	5	40	19	30	20	110	0.017	850	2000-3000	4	WG15026 to 45
2.6	2	0.9	5	40	20	30	20	90	0.017	850	2000-3000	4	WG20008 to 25
4	2	0.9	5	40	22	30	20	110	0.017	850	2000-3000	4	WG20026 to 45
2.2	6	0.8	5	50	24	40	30	90	0.012	1400	3000-4000	5	WG25008 to 25
3	6	0.8	4	60	30	40	30	110	0.012	1400	3000-4000	5	WG30008 to 25
4	5	0.8	4	60	30	40	30	125	0.012	1400	3000-4000	5	WG30026 to 45

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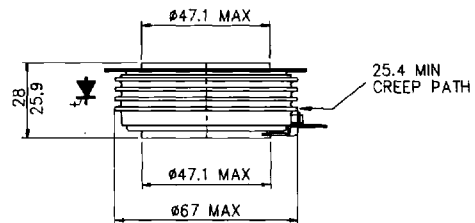
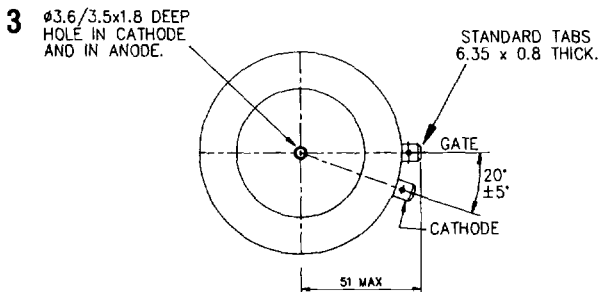
Gate Turn-off Thyristors ~ Outlines



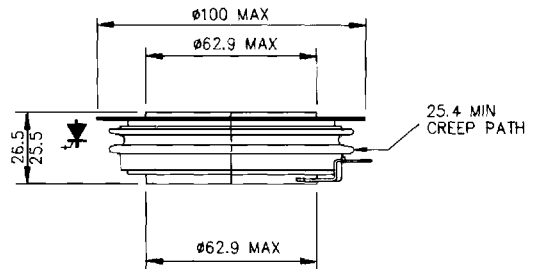
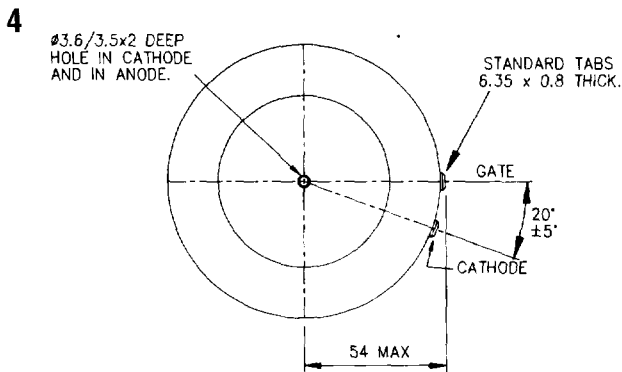
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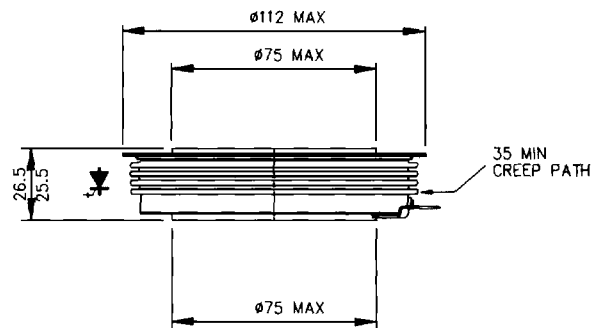
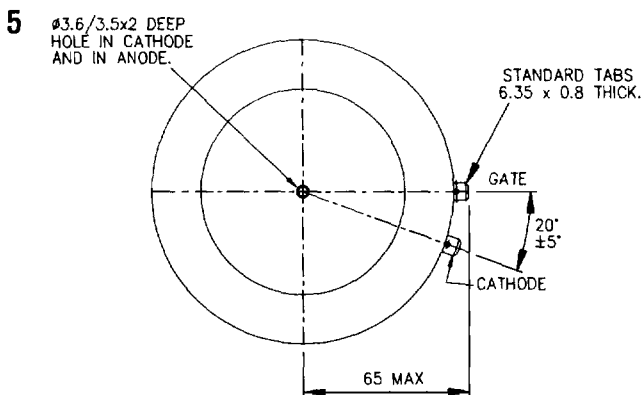
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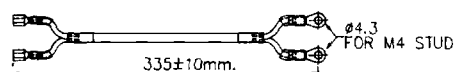
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