

**SENSITIVE GATE SCRs IN PLASTIC PACKAGE**

T <sub>j</sub> max = 125 °C (except TS820-xxxB and TS420-xxxB: 110 °C)													
Type	I <sub>T(RMS)</sub> (A)	T <sub>a</sub> T <sub>I</sub> T <sub>c</sub> T <sub>tab</sub> (°C)	V <sub>RRM</sub> V <sub>DRM</sub> (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ I <sub>DRM</sub> @ T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25 °C					dv/dt 67% V <sub>DRM</sub> T <sub>j</sub> max min Typ* (V/μs)	di/dt max (A/μs)	Package
						I <sub>GT</sub> min (μA)	I <sub>GT</sub> max (μA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	I <sub>TM</sub> (A)			
<a href="#">P0102xL</a> <a href="#">P0109xL</a>	0,2	25 (1)	100 → 400 (a)	7	0,1	–	0,2 1	5	1,3	0,4	25	30	SOT23
<a href="#">P0102xN</a>	0,8	70 (1)	100 → 400 (a)	7	0,1	–	0,2	5	1,95	1,6	25	30	SOT223
<a href="#">X0202xN</a>	1,4	90 (4)	200 → 800 (b)	22,5	0,2	–	0,2	5	1,5	2,8	15*	30	SOT223
TS420-400B TS420-600B	4	90 (3)	400 → 600	30	0,2	–	0,2	5	1,8	8	10*	50	DPAK
TS820-400B TS820-600B	8	85 (3)	400 → 600	70	1	–	0,2	5	1,7	16	5*	50	DPAK
<a href="#">TN805-400B</a> <a href="#">TN805-600B</a> <a href="#">TN805-700B</a> <a href="#">TN805-800B</a>	8	105 (3)	400 600 700 800	70	2	–	5	25	1,6	16	50	100	DPAK
TN815-400B TN815-600B TN815-700B TN815-800B	8	105 (3)	400 600 700 800	70	2	–	15	50	1,6	16	100	100	DPAK
TN1215-400G TN1215-600G TN1215-800G	12	90 (3)	200 400 600	120	3	–	15	30	1,6	24	200	100	D <sup>2</sup> PAK
TN1625-400G TN1625-600G TN1625-800G	16	95 (3)	200 400 600	160	2	–	25	40	1,6	36	500	100	D <sup>2</sup> PAK
TN2540-400G TN2540-600G TN2540-800G	25	95 (3)	200 400 600	250	4	–	40	50	1,6	50	500	100	D <sup>2</sup> PAK
TN4050-400G TN4050-600G TN4050-800G	40	85 (3)	200 400 600	400	4	–	50	75	1,8	80	1,000	100	D <sup>2</sup> PAK

- (1) A = 100V    B = 200V    C = 300V    D = 400V
- (2) B = 200V    D = 400V    M = 600V    N = 800V
- (3) E = 500V    M = 600V    S = 700V    N = 800V
- (4) D = 400V    M = 600V    S = 700V    N = 800V

▲ New Products.

**SENSITIVE GATE SCRs IN PLASTIC PACKAGE (cont'd)**

T <sub>j</sub> max = 125 °C (except TS820-xxxB and TS420-xxxB: 110 °C)													
Type	I <sub>T(RMS)</sub> (A)	T <sub>a</sub> T <sub>I</sub> T <sub>c</sub> T <sub>tab</sub> (°C)	V <sub>R</sub> RM V <sub>D</sub> RM (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ I <sub>DRM</sub> @ T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25 °C					dv/dt 67% V <sub>DRM</sub> T <sub>j</sub> max min Typ* (V/μs)	di/dt max (A/μs)	Package
						I <sub>GT</sub> min (μA)	I <sub>GT</sub> max (μA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	(A)			
<a href="#">P0102xL</a> <a href="#">P0109xL</a>	0,2	25 (1)	100 → 400 (a)	7	0,1	–	200 1	5	1,3	0,4	25 25	30	SOT23
<a href="#">P0102xN</a> <a href="#">P0109xN</a> <a href="#">P0111xN</a>	0,8	70 (1)	100 → 400 (a)	7	0,1	–	200 1 25	5	1,95	1,6	25 25 50	30	SOT223
<a href="#">P0102xA</a> <a href="#">P0109xA</a> <a href="#">P0111xA</a> <a href="#">P0115xA</a>	0,8	55 (2)	100 → 400 (a)	7	0,1	–	200 1 25 50	5	1,93	1,6	25 25 50 100	30	TO92
<a href="#">X0202xA</a> <a href="#">X0203xA</a> <a href="#">X0205xA</a>	1,25	60 (2)	200 → 800 (b)	22,5	0,2	–	200 20 20	5	1,45	2,5	15* 20* 15*	30	TO92
<a href="#">X0202xN</a>	1,4	90 (4)	200 → 800 (b)	22,5	0,2	–	200	5	1,5	2,8	15*	30	SOT223
<a href="#">X0402xE</a> <a href="#">X0403xE</a> <a href="#">X0405xE</a>	4	90 (3)	200 → 800 (b)	30	0,2	–	200 20 20	5	1,8	8	15* 20* 15*	50	TO202-1
<a href="#">X0402xF</a> <a href="#">X0403xF</a> <a href="#">X0405xF</a>	4	90 (3)	200 → 800 (b)	30	0,2	–	200 20 20	5	1,8	8	15* 20* 15*	50	TO202-2
▲ <a href="#">TS420-400B</a> ▲ <a href="#">TS420-600B</a>	4	90 (3)	400 600	30	0,2	–	200	5	1,8	8	10*	50	DPAK
<a href="#">S0402xH</a>	4	110 (3)	200 → 800 (b)	50	0,5	–	200	10	1,6	8	10*	100	TO220AB
<a href="#">S0602xH</a>	6	100 (3)	200 → 800 (b)	60	0,5	–	200	10	1,6	12	10*	100	TO220AB
<a href="#">S0802xH</a>	8	95 (3)	200 → 800 (b)	70	0,5	–	200	10	1,6	16	10*	100	TO220AB
▲ <a href="#">TS820-400B</a> ▲ <a href="#">TS820-600B</a>	8	85 (3)	400 600	70	1	–	200	5	1,7	16	5*	50	DPAK

(1) A = 100V B = 200V C = 300V D = 400V  
 (2) B = 200V D = 400V M = 600V N = 800V  
 (3) E = 500V M = 600V S = 700V N = 800V  
 (4) D = 400V M = 600V S = 700V N = 800V

▲ New Products.

**STANDARD SCRs IN PLASTIC PACKAGE**

Type	I <sub>T(AV)</sub> (A)	V <sub>RRM</sub> = V <sub>DRM</sub> (V)	I <sub>TSM</sub> (A)	I <sub>R</sub> RM @ I <sub>DRM</sub> @ T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25°C					dv/dt 67% V <sub>DRM</sub> T <sub>j</sub> max min Typ* (V/μs)	di/dt max (A/μs)	Package
					I <sub>GT</sub> min (mA)	I <sub>GT</sub> max (mA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	I <sub>TM</sub> (A)			
<b>4 Arms/T<sub>C</sub> = 115°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 18A<sup>2</sup>s</b>												
<a href="#">TYN204</a> → 1004	2.5	200 → 1000	60	2	–	15	30	1.8	8	200	100	TO220AB
<b>4 Arms/T<sub>C</sub> = 110°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 12,5A<sup>2</sup>s</b>												
S0406 • H S0410 • H S0417 • H	2.5	200 → 800 (2)	50	0.5	0.5 10 4	5 25 15	25 75 50	1.6	8	50* 200 100	100	TO220AB
<b>6 Arms/T<sub>C</sub> = 110°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 24,5A<sup>2</sup>s</b>												
<a href="#">TYN056</a> → 1006	3.8	50 → 1000	70	2	–	15	30	1.6	12	200	50	TO220AB
<b>6 Arms/T<sub>C</sub> = 100°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 18A<sup>2</sup>s</b>												
S0606 • H S0610 • H S0617 • H	3.8	200 → 800 (2)	60	0.5	0.5 10 4	5 25 15	25 75 50	1.6	12	50* 200 100	100	TO220AB
<b>8 Arms/T<sub>C</sub> = 105°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 32A<sup>2</sup>s</b>												
<a href="#">TYN058</a> → 1008(*)	5	50 → 1000	80	2	Without suffix 15 Suffix G 25		30 45	1.6	16	200 500	50	TO220AB
<b>8 Arms/T<sub>C</sub> = 95°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 32A<sup>2</sup>s</b>												
S0806 • H S0810 • H S0817 • H	5.1	200 → 800 (2)	80	0.5	0.5 10 4	5 25 15	25 75 50	1.6	16	50* 200 100	100	TO220AB
<b>10 Arms/T<sub>C</sub> = 100°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 50A<sup>2</sup>s</b>												
<a href="#">TYN0510</a> → 1010	6.4	50 → 1000	100	2	–	15	30	1.6	20	200	50	TO220AB
<b>10 Arms/T<sub>C</sub> = 95°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 50A<sup>2</sup>s</b>												
S1006 • H S1010 • H S1017 • H	6.4	200 → 800 (2)	100	1.5	0.5 10 4	5 25 15	15 50 30	1.6	20	10* 200 100	100	TO220AB

(\*) Insulating version available (TXN)

(2) B = 200V D = 400V M = 600V N = 800V ex: S0610MH

**STANDARD SCRs IN PLASTIC PACKAGE (cont'd)**

Type	I <sub>T(AV)</sub> (A)	V <sub>RRM</sub> = V <sub>VDRM</sub> (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ I <sub>DRM</sub> @ T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25°C					dv/dt 67% V <sub>VDRM</sub> T <sub>j</sub> max min Typ* (V/μs)	di/dt max (A/μs)	Package
					I <sub>GT</sub> min (mA)	I <sub>GT</sub> max (mA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	I <sub>TM</sub> (A)			
<b>12 Arms/T<sub>C</sub> = 90°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 72A<sup>2</sup>s</b>												
<a href="#">TYN0512</a> → 1012(*)	8	50 → 1000	120	2	–	15	30	1.6	24	200	100	TO220AB
<b>12 Arms/T<sub>C</sub> = 90°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 72A<sup>2</sup>s</b>												
S1206 • H S1210 • H S1217 • H	7.6	200 → 800 (2)	120	1.5	0.5 10 4	5 25 15	15 50 30	1.6	24	10* 200 100	100	TO220AB
<b>16 Arms/T<sub>C</sub> = 95°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 128A<sup>2</sup>s</b>												
<a href="#">TYN0516</a> → 816	10	50 → 800	160	2	–	25	40	1.6	32	500	100	TO220AB
<b>16 Arms/T<sub>C</sub> = 90°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 128A<sup>2</sup>s</b>												
S1610 • H S1616 • H	10	200 → 800 (2)	160	2	10 25	25 50	50 100	1.6	32	400 500	100	TO220AB
<b>20 Arms/T<sub>C</sub> = 105°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 310A<sup>2</sup>s</b>												
<a href="#">TYN682</a> → 692	13	50 → 800	250	2	–	25	40	1.4	50	500	100	TO220AB
<b>25 Arms/T<sub>C</sub> = 95°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 310A<sup>2</sup>s</b>												
<a href="#">TYN225</a> → 1025	16	200 → 1000	250	4	–	40	50	1.6	50	500	100	TO220AB
<b>25 Arms/T<sub>C</sub> = 85°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 310A<sup>2</sup>s</b>												
S2514 • H S2516 • H	16	200 → 800 (2)	250	2.5	30 20	75 50	115 100	1.6	50	750 500	100	TO220AB
<b>30 Arms/T<sub>C</sub> = 90°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 512A<sup>2</sup>s</b>												
S3014 • H S3016 • H	19	800 → 1200 (4)	320	5	30 20	75 50	115 100	1.6	60	500 500	100	TO220AB
<b>40 Arms/T<sub>C</sub> = 85°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 722A<sup>2</sup>s</b>												
S4014 • H S4016 • H	25	200 → 800 (2)	380	3	30 20	75 50	115 100	1.6	80	750 500	100	TO220AB

(\*) Insulating version available (TXN)

(2) B = 200V D = 400V M = 600V N = 800V ex: S1610MH

(4) N = 800V P = 1000V V = 1200V ex: S3016PH

**STANDARD GATE SCRs IN PLASTIC PACKAGE**

Type (See Note)	Fax Code	I <sub>T(AV)</sub> (A)	V <sub>R<sub>RRM</sub></sub> = V <sub>D<sub>DRM</sub></sub> (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ V <sub>RRM</sub> I <sub>DRM</sub> @ V <sub>D<sub>DRM</sub></sub> T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25°C				dv/dt @ 67% V <sub>D<sub>DRM</sub></sub> T <sub>j</sub> max min (V/μs)	di/dt max (A/μs)	Package
						V <sub>GT</sub> max (V)	I <sub>GT</sub> max (mA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V) (A)			

**30 Arms/T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 800 A<sup>2</sup>s**

BTW 68-200 → 1200		19	200 → 1200	400	6	1.5	50	75	2.1	60	500 (1) 250 (2)	100	TOP3
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**30 Arms/T<sub>case</sub> = 75°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 800 A<sup>2</sup>s**

BTW 66-200 → 1200		20	200 → 1200	400	6	1.5	50	75	2.2	60	500 (1) 250 (2)	100	RD91
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**35 Arms/T<sub>case</sub> = 85°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 800 A<sup>2</sup>s**

BTW 68-600 N → 1200 N		22	600 → 1200	400	6	1.5	50	75	2.2	70	500 (1) 250 (2)	100	TOP3
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**40 Arms/T<sub>case</sub> = 75°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 1250 A<sup>2</sup>s**

BTW 67-200 → 1200		25	200 → 1200	500	6	1.5	80	150	2	80	500 (1) 250 (2)	100	RD91
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**50 Arms/T<sub>case</sub> = 70°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 1250 A<sup>2</sup>s**

BTW 69-200 → 1200		32	200 → 1200	500	6	1.5	80	150	1.9	100	500 (1) 250 (2)	100	TOP3
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**55 Arms/T<sub>case</sub> = 75°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 1250 A<sup>2</sup>s**

BTW 69-600 N → 1200 N		35	600 → 1200	500	6	1.5	80	150	2	110	500 (1) 250 (2)	100	TOP3
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**Note: BTW insulated (insulating voltage = 2500 V<sub>RMS</sub>).  
BTW + suffix N uninsulated.**

- (1) V<sub>D<sub>DRM</sub></sub> ≤ 800 V.
- (2) V<sub>D<sub>DRM</sub></sub> ≥ 1000 V.

**SENSITIVE AND FAST SCR**

Type	I <sub>T(AV)</sub> (A)	V <sub>RRM</sub> = V <sub>DORM</sub> (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ V <sub>RRM</sub> I <sub>DORM</sub> @ V <sub>DORM</sub> T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25°C					dv/dt @ 67% V <sub>DORM</sub> T <sub>j</sub> max min (V/μs)	di/dt T <sub>j</sub> =25°C max (A/μs)	t <sub>q</sub> max (ns)	Package
					I <sub>GT</sub> min (mA)	I <sub>GT</sub> max (mA)	I <sub>H</sub> max typ* (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	I <sub>TM</sub> (A)				

**3.5 Arms/T<sub>case</sub> = 85°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 2 A<sup>2</sup>s**

▲ <a href="#">TR03-400T</a>	2	400	20	0.2	–	1.5	5*	2.2	10	20	100	15	TO220AB
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**8 Arms/T<sub>C</sub> = 95°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 32 A<sup>2</sup>s**

F0810•H	5.1	200 → 800 (2)	80	1.5	10	25	75	2	16	300	100	20	TO220AB
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**SCRs FOR OVERVOLTAGE PROTECTION IN PLASTIC PACKAGE**

Type	I <sub>T(AV)</sub> (A)	V <sub>RRM</sub> = V <sub>DORM</sub> (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ V <sub>RRM</sub> I <sub>DORM</sub> @ V <sub>DORM</sub> T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25°C					dv/dt @ 67% V <sub>DORM</sub> T <sub>j</sub> max min (V/μs)	di/dt max (A/μs)	Package
					V <sub>GT</sub> max (V)	I <sub>GT</sub> max (mA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	I <sub>TM</sub> (A)			

**12 Arms/T<sub>case</sub> = 110°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 450 A<sup>2</sup>s**

TYP 212 → 2012	8	25 → 200	300	2	1.5	30	50	1.5	50	200	100	TO220AB
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▲ New product.

(2) B = 200V D = 400V M = 600V N = 800V ex: F0810MH

**MODULE**

Type	I <sub>T(AV)</sub> (A)	V <sub>RRM</sub> = V <sub>VDRM</sub> (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ V <sub>RRM</sub> I <sub>DRM</sub> @ V <sub>VDRM</sub> T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25°C					dv/dt @ 67% V <sub>VDRM</sub> min (V/μs)	di/dt max (A/μs)	Package
					V <sub>GT</sub> max (V)	I <sub>GT</sub> max (mA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> max (V)	I <sub>TM</sub> (A)			

50 Arms/T<sub>case</sub> = 85°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 800 A<sup>2</sup>s

<a href="#">MDS35-800</a> → 1200	25	800 → 1200	400	10	1.5	50	80	1.7	80	500	100	ISOTOP® (Screw version)
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70 Arms/T<sub>case</sub> = 85°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 1800 A<sup>2</sup>s

<a href="#">MDS50-800</a> → 1200	35	800 → 1200	600	10	1.5	50	80	1.75	110	500	100	ISOTOP® (Screw version)
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55 Arms/T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 800 A<sup>2</sup>s

▲ <a href="#">MSS40-800</a> → 1400		800 → 1400	400	10	1.5	50	80	1.7	80	500	100	ISOTOP® (Screw version)
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70 Arms/T<sub>case</sub> = 80°C T<sub>j</sub> = 125°C I<sup>2</sup>t = 1800 A<sup>2</sup>s

▲ <a href="#">MSS50-800</a> → 1400		800 → 1400	600	10	1.5	50	80	1.7	100	500	100	ISOTOP® (Screw version)
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▲ : New product 1400 V

	MSS	MDS
Structure		
Pin connection		

**APPLICATION SPECIFIC DISCRETES - AUTOMOTIVE ASD™ : IGNITION CONTROL CIRCUIT**

**THYRISTOR PARAMETERS**

Type	V <sub>DRM</sub> (V)	I <sub>TSM</sub> @ T <sub>j</sub> = 25°C (A)	I <sub>GT</sub> @ T <sub>j</sub> = 25°C max (mA)	V <sub>TM</sub> max (V)	@ I <sub>TM</sub> (A)	I <sub>DRM</sub> max @ T <sub>j</sub> max (mA)	Package
<a href="#">ICC01-400B5</a>	400	5	1	1,9	4	1	SO16
<a href="#">ICC03-400B2</a>	400	5	1	1,9	4	1	DIL8

**DIODE PARAMETERS**

Type	Diode	V <sub>RRM</sub> T <sub>j</sub> = 25°C (V)	I <sub>FSM</sub> @ T <sub>j</sub> = 25°C tp = 10 ms (A)	I <sub>r</sub> @ V <sub>r</sub> = V <sub>rrm</sub> max (mA)	V <sub>F</sub> @ I <sub>F</sub> @ T <sub>j</sub> = 25 °C @ tp < 1 ms (V)	I <sub>F</sub> (A)	Package
<a href="#">ICC01-400B5</a> <a href="#">ICC03-400B2</a>	D1	25	2	1	1,2	0,1	SO16
	D2	400	5	1	1,9	4	
<a href="#">ICC01-400B5</a>	D3	400	5	1	1,9	4	DIL8
	D4	25	2	1	1,2	0,1	

**APPLICATION SPECIFIC DISCRETES - INDUSTRIAL ASD™ : FIRE LIGHTER CIRCUIT**

**THYRISTORS AND ZENERS PARAMETERS**

Type	$I_{RM} @ V_{RM} = 200V$	$V_{BO} max$	$I_{BO} max$	$I_{BO1} max$ pin 3 open	$I_{BO2} min$ pin 1&3 in C/C	$V_T @ I_T max$ @ $T_j max$	Package
	( $\mu A$ )	(A)	(mA)	(mA)	(mA)	(V) (A)	
<a href="#">FLC01-200D</a>	100	250	1	-	-	1,9 4	SOT82
<a href="#">FLC02-200D</a>	100	250	-	0,5	40	1,9 4	SOT82

**DIODE PARAMETERS**

Type	$V_F @ I_F max$ @ $T_j max$ @ $t_p < 1 ms$	Package
	(V) (A)	
<a href="#">FLC01-200D</a>	1,7 2	
<a href="#">FLC02-200D</a>	1,7 2	

APPLICATION SPECIFIC DISCRETES - LIGHTING ASD™ : SPECIAL SCRs FOR STARTLIGHT

T <sub>j</sub> max = 125 °C													
Type	I <sub>T(RMS)</sub> (A)	T <sub>a</sub> T <sub>I</sub> T <sub>c</sub> T <sub>tab</sub> (°C)	V <sub>R(RM)</sub> V <sub>D(RM)</sub> (V)	I <sub>TSM</sub> (A)	I <sub>RRM</sub> @ I <sub>DRM</sub> @ T <sub>j</sub> max max (mA)	T <sub>j</sub> = 25°C					dv/dt 67% V <sub>D(RM)</sub> T <sub>j</sub> max min Typ* (V/μs)	di/dt max (A/μs)	Package
						I <sub>GT</sub> min (μA)	I <sub>GT</sub> max (μA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	I <sub>TM</sub> (A)			
P0130AL	0,2	25	100	7	0,1	0,1	1	5	1,3	0,4	25	30	SOT23
P0130AA	0,8	55	100	7	0,1	0,1	1	5	1,25	0,5	25	30	TO92

T <sub>j</sub> max = 110 °C													
Type	I <sub>T(RMS)</sub> (A)	T <sub>a</sub> T <sub>I</sub> T <sub>c</sub> T <sub>tab</sub> (°C)	V <sub>BR</sub> min (V)	V <sub>BR</sub> max (V)	I <sub>TSM</sub> (A)	T <sub>j</sub> = 25°C					dv/dt 67% V <sub>D(RM)</sub> T <sub>j</sub> max min Typ* (V/μs)	di/dt max (A/μs)	Package
						I <sub>GT</sub> min (μA)	I <sub>GT</sub> max (μA)	I <sub>H</sub> max (mA)	V <sub>TM</sub> @ I <sub>TM</sub> max (V)	I <sub>TM</sub> (A)			
<a href="#">TN22-1500</a>	2	95	1200	1500	20	-	1,5	175	3,1	2	500	50	SOT82 SOT194
<a href="#">TN22-1600</a>			1000	1600	20	-	1,5	175	3,1	2	500	50	SOT82 SOT194