

Characteristics (T_j = 25°C)
Kennwerte (T_j = 25°C)

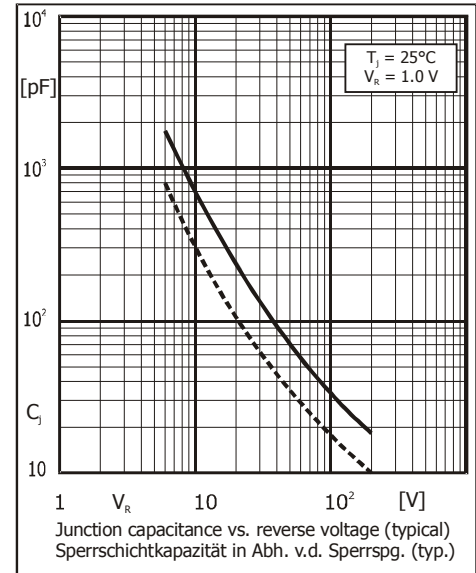
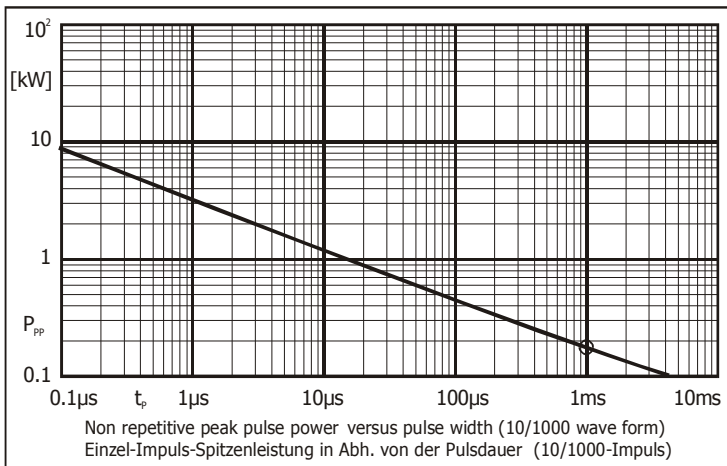
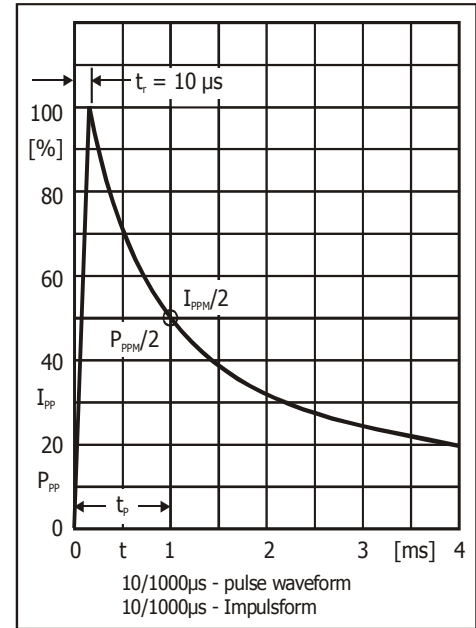
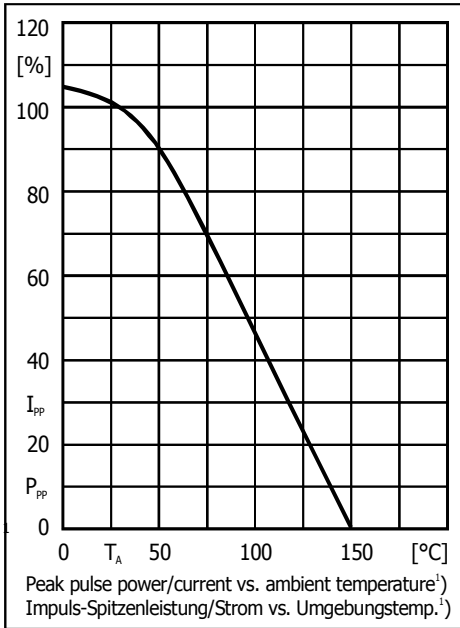
Type Typ		Breakdown voltage at I _T = 1 mA Abbruch-Spannung bei I _T = 1 mA) at / bei I _T = 10 mA		Stand-off voltage Sperrspannung	Max. rev. current Max. Sperrstrom at / bei V _{WM}	Max. clamping voltage Max. Begrenzer-Spannung at / bei I _{PPM} (10/1000 μs)	
unidirectional	bidirectional	V _{BR} [V]		V _{WM} [V]	I _D [μA]	V _C [V]	I _{PPM} [A]
TGL34-6.8	TGL34-6.8C	6.8 ± 10%	6.12...7.48 *)	5.5	1000	10.8	13.9
TGL34-6.8A	TGL34-6.8CA	6.8 ± 5%	6.45...7.14 *)	5.8	1000	10.5	14.3
TGL34-7.5	TGL34-7.5C	7.5 ± 10%	6.75...8.25 *)	6.0	500	11.7	12.8
TGL34-7.5A	TGL34-7.5CA	7.5 ± 5%	7.13...7.88 *)	6.4	500	11.3	13.3
TGL34-8.2	TGL34-8.2C	8.2 ± 10%	7.38...9.02 *)	6.6	200	12.5	12.0
TGL34-8.2A	TGL34-8.2CA	8.2 ± 5%	7.79...8.61 *)	7.0	200	12.1	12.4
TGL34-9.1	TGL34-9.1C	9.1 ± 10%	8.19...10.0	7.3	50	13.8	10.9
TGL34-9.1A	TGL34-9.1CA	9.1 ± 5%	8.65...9.55	7.7	50	13.4	11.2
TGL34-10	TGL34-10C	10 ± 10%	9.0...11.0	8.1	10	15.0	10.0
TGL34-10A	TGL34-10CA	10 ± 5%	9.5...10.5	8.5	10	14.5	10.3
TGL34-11	TGL34-11C	11 ± 10%	9.9...12.1	8.9	5	16.2	9.3
TGL34-11A	TGL34-11CA	11 ± 5%	10.5...11.6	9.4	5	15.6	9.6
TGL34-12	TGL34-12C	12 ± 10%	10.8...13.2	9.7	5	17.3	8.7
TGL34-12A	TGL34-12CA	12 ± 5%	11.4...12.6	10.2	5	16.7	9.0
TGL34-13	TGL34-13C	13 ± 10%	11.7...14.3	10.5	5	19.0	7.9
TGL34-13A	TGL34-13CA	13 ± 5%	12.4...13.7	11.1	5	18.2	8.2
TGL34-15	TGL34-15C	15 ± 10%	13.5...16.5	12.1	5	22.0	6.8
TGL34-15A	TGL34-15CA	15 ± 5%	14.3...15.8	12.8	5	21.2	7.1
TGL34-16	TGL34-16C	16 ± 10%	14.4...17.6	12.9	5	23.5	6.4
TGL34-16A	TGL34-16CA	16 ± 5%	15.2...16.8	13.6	5	22.5	6.7
TGL34-18	TGL34-18C	18 ± 10%	16.2...19.8	14.5	5	26.5	5.7
TGL34-18A	TGL34-18CA	18 ± 5%	17.1...18.9	15.3	5	25.2	6.0
TGL34-20	TGL34-20C	20 ± 10%	18.0...22.0	16.2	5	29.1	5.2
TGL34-20A	TGL34-20CA	20 ± 5%	19.0...21.0	17.1	5	27.7	5.4
TGL34-22	TGL34-22C	22 ± 10%	19.8...24.2	17.8	5	31.9	4.7
TGL34-22A	TGL34-22CA	22 ± 5%	20.9...23.1	18.8	5	30.6	4.9
TGL34-24	TGL34-24C	24 ± 10%	21.6...26.4	19.4	5	34.7	4.3
TGL34-24A	TGL34-24CA	24 ± 5%	22.8...25.2	20.5	5	33.2	4.5
TGL34-27	TGL34-27C	27 ± 10%	24.3...29.7	21.8	5	39.1	3.8
TGL34-27A	TGL34-27CA	27 ± 5%	25.7...28.4	23.1	5	37.5	4.0
TGL34-30	TGL34-30C	30 ± 10%	27.0...33.0	24.3	5	43.5	3.4
TGL34-30A	TGL34-30CA	30 ± 5%	28.5...31.5	25.6	5	41.4	3.6
TGL34-33	TGL34-33C	33 ± 10%	29.7...36.3	26.8	5	47.7	3.1
TGL34-33A	TGL34-33CA	33 ± 5%	31.4...34.7	28.2	5	45.7	3.3
TGL34-36	TGL34-36C	36 ± 10%	32.4...39.6	29.1	5	52.0	2.9
TGL34-36A	TGL34-36CA	36 ± 5%	34.2...37.8	30.8	5	49.9	3.0
TGL34-39	TGL34-39C	39 ± 10%	35.1...42.9	31.6	5	56.4	2.7
TGL34-39A	TGL34-39CA	39 ± 5%	37.1...41.0	33.3	5	53.9	2.8

For bidirectional types (suffix "C" or "CA"), electrical characteristics apply in both directions.
Für bidirektionale Dioden (Suffix "C" oder "CA") gelten die elektrischen Werte in beiden Richtungen.

Characteristics (T_j = 25°C)Kennwerte (T_j = 25°C)

Type Typ		Breakdown voltage at I _T = 1 mA Abbruch-Spannung bei I _T = 1 mA) at / bei I _T = 10 mA		Stand-off voltage Sperrspannung	Max. rev. current Max. Sperrstrom at / bei V _{WM}	Max. clamping voltage Max. Begrenzer-Spannung at / bei I _{PPM} (10/1000 μs)	
unidirectional	bidirectional	V _{BR} [V]		V _{WM} [V]	I _D [μA]	V _C [V]	I _{PPM} [A]
TGL34-43	TGL34-43C	43 ± 10%	38.7...47.3	34.8	5	61.9	2.4
TGL34-43A	TGL34-43CA	43 ± 5%	40.9...45.2	36.8	5	59.3	2.5
TGL34-47	TGL34-47C	47 ± 10%	42.3...51.7	38.1	5	67.8	2.2
TGL34-47A	TGL34-47CA	47 ± 5%	44.7...49.4	40.2	5	64.8	2.3
TGL34-51	TGL34-51C	51 ± 10%	45.9...56.1	41.3	5	73.5	2.0
TGL34-51A	TGL34-51CA	51 ± 5%	48.5...53.6	43.6	5	70.1	2.1
TGL34-56	TGL34-56C	56 ± 10%	50.4...61.6	45.4	5	81	1.9
TGL34-56A	TGL34-56CA	56 ± 5%	53.2...58.8	47.8	5	77	1.9
TGL34-62	TGL34-62C	62 ± 10%	55.8...68.8	50.2	5	89	1.7
TGL34-62A	TGL34-62CA	62 ± 5%	58.9...65.1	53.0	5	85	1.8
TGL34-68	TGL34-68C	68 ± 10%	61.2...74.8	55.1	5	98	1.5
TGL34-68A	TGL34-68CA	68 ± 5%	64.6...71.4	58.1	5	92	1.6
TGL34-75	TGL34-75C	75 ± 10%	67.5...82.5	60.7	5	108	1.4
TGL34-75A	TGL34-75CA	75 ± 5%	71.3...78.8	64.1	5	103	1.5
TGL34-82	TGL34-82C	82 ± 10%	73.8...90.2	66.4	5	118	1.3
TGL34-82A	TGL34-82CA	82 ± 5%	77.9...86.1	70.1	5	113	1.3
TGL34-91	TGL34-91C	91 ± 10%	81.9...100	73.7	5	131	1.1
TGL34-91A	TGL34-91CA	91 ± 5%	86.5...95.5	77.8	5	125	1.2
TGL34-100	TGL34-100C	100 ± 10%	90.0...110	81.0	5	144	1.0
TGL34-100A	TGL34-100CA	100 ± 5%	95.0...105	85.5	5	137	1.1
TGL34-110	TGL34-110C	110 ± 10%	99.0...121	89.2	5	158	0.9
TGL34-110A	TGL34-110CA	110 ± 5%	105...116	94.0	5	152	1.0
TGL34-120	TGL34-120C	120 ± 10%	108...132	97.2	5	173	0.9
TGL34-120A	TGL34-120CA	120 ± 5%	114...126	102	5	165	0.9
TGL34-130	TGL34-130C	130 ± 10%	117...143	105	5	187	0.8
TGL34-130A	TGL34-130CA	130 ± 5%	124...137	111	5	179	0.8
TGL34-150	TGL34-150C	150 ± 10%	135...165	121	5	215	0.7
TGL34-150A	TGL34-150CA	150 ± 5%	143...158	128	5	207	0.7
TGL34-160	TGL34-160C	160 ± 10%	144...176	130	5	230	0.7
TGL34-160A	TGL34-160CA	160 ± 5%	152...168	136	5	219	0.7
TGL34-170	TGL34-170C	170 ± 10%	153...187	138	5	244	0.6
TGL34-170A	TGL34-170CA	170 ± 5%	162...179	145	5	234	0.6
TGL34-180	TGL34-180C	180 ± 10%	162...198	146	5	258	0.6
TGL34-180A	TGL34-180CA	180 ± 5%	171...189	154	5	246	0.6
TGL34-200	TGL34-200C	200 ± 10%	180...220	162	5	287	0.5
TGL34-200A	TGL34-200CA	200 ± 5%	190...210	171	5	274	0.5

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The range of type numbers is graded to the international E 24 standard. The standard tolerance of the breakdown voltage for each type is $\pm 10\%$. Suffix "A" denotes a tolerance of $\pm 5\%$ for the breakdown voltage.

e.g.: TGL34-51C = bidirectional diode, $V_{BR} = 51 \text{ V} (\pm 10\%)$, $V_{WM} \geq 41.3 \text{ V}$ at $I_D = 5 \mu\text{A}$
TGL34-9.1A = unidirectional diode, $V_{BR} = 9.1 \text{ V} (\pm 5\%)$, $V_{WM} \geq 7.7 \text{ V}$ at $I_D = 50 \mu\text{A}$

Die Abstufung der Typen innerhalb der Reihe entspricht dem internationalen E 24-Standard. Die Toleranz der Abbruchspannung jedes einzelnen Typs beträgt in der Standardausführung $\pm 10\%$. Suffix "A" kennzeichnet eine Toleranz der Abbruchspannung von $\pm 5\%$.

Disclaimer: See data book page 2 or [website](http://www.diotec.com/)
Haftungsausschluss: Siehe Datenbuch Seite 2 oder [Internet](http://www.diotec.com/)

1 Mounted on P.C. board with 25 mm² copper pads at each terminal
Montage auf Leiterplatte mit 25 mm² Kupferbelag (Lötpad) an jedem Anschluss