

Leistungstransistoren

Power Transistors

N-Kanal Anreicherungstypen im Kunststoffgehäuse TO-220 AB

N channel enhancement types in plastic package TO-220 AB

Typ Type	$V_{DS(max)}$ V	$I_D(max)$ A	$R_{thJC(max)}$ K/W	$R_{DS(on)max}$ Ω	P_{tot} W	SBS SCS	Bestellnummer Ordering code C67078-
BUZ 10	50	23	1.67	0.07	75	S	A1300-A2
BUZ 10 L		23	1.67	0.07	75	S	A1329-A2
BUZ 11		30	1.67	0.04	75	S	A1301-A2
BUZ 11 A		26	1.67	0.055	75	S	A1301-A3
BUZ 11 AL		26	1.67	0.055	75		A1330-A3
BUZ 12		37	1.67	0.028	75	S	A1331-A2
BUZ 12 A		33	1.67	0.035	75	S	A1331-A3
BUZ 71		14	3.1	0.1	40	S	A1316-A2
BUZ 71 A		13	3.1	0.12	40	S	A1316-A3
BUZ 71 L		14	3.1	0.1	40	S	A1326-A2
BUZ 10 S2	60	23	1.67	0.07	75	S	A1300-A7
BUZ 11 S2		30	1.67	0.04	75	S	A1301-A5
BUZ 71 S2		14	3.1	0.1	40	S	A1316-A9
BUZ 20	100	12	1.67	0.2	75	S	A1302-A8
BUZ 21		21	1.67	0.085	75	S	A1308-A2
BUZ 22 A		25	1.67	0.06	75		A1333-A3
BUZ 72		10	3.1	0.2	40	S	A1313-A6
BUZ 72 A		9	3.1	0.25	40	S	A1313-A7
BUZ 72 AL		9	3.1	0.25	40	S	A1327-A3
BUZ 72 L		10	3.1	0.2	40	S	A1327-A2
BUZ 31	200	13	1.67	0.2	75	S	A1304-A2
BUZ 32		9.5	1.67	0.4	75	S	A1310-A2
BUZ 73		7	3.1	0.4	40	S	A1317-A2
BUZ 73 A		5.8	3.1	0.6	40	S	A1317-A3
BUZ 73 AL		5.8	3.1	0.6	40		A1328-A3
BUZ 73 L		7	3.1	0.4	40		A1328-A2

L ≙ Logic Level

SBS ≙ Siemens Bauteile Service

SCS ≙ Siemens Components Service

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Typ Type	$V_{DS(max)}$ V	$I_D(max)$ A	$R_{thJC(max)}$ K/W	$R_{DS(on)max}$ Ω	P_{tot} W	SBS SCS	Bestellnummer Ordering code C67078-
BUZ 60 BUZ 76 BUZ 76 A BUZ 205 ¹⁾ BUZ 206 ¹⁾	400	5.5 3 2.6 6 5	1.67 3.1 3.1 1.67 1.67	1 1.8 2.5 1 1.5	75 40 40 75 75	S S S S S	A1312-A2 A1315-A2 A1315-A3 A1401-A2 A1403-A2
BUZ 41 A BUZ 42 BUZ 74 BUZ 74 A BUZ 215 ¹⁾ BUZ 216 ¹⁾	500	4.5 4 2.4 2 5 4.4	1.67 1.67 3.1 3.1 1.67 1.67	1.5 2 3 4 1.5 2	75 75 40 40 75 75	S S S S S S	A1306-A3 A1311-A2 A1314-A2 A1314-A3 A1400-A2 A1402-A2
BUZ 77 BUZ 77 A BUZ 90 BUZ 90 A	600	2.4 2.1 4.5 4	3.1 3.1 1.67 1.67	3 4 1.6 2	40 40 75 75	S S S S	A1320-A2 A1320-A3 A1321-A2 A1321-A3
BUZ 78 BUZ 80 BUZ 80 A	800	1.5 2.6 3	3.1 1.67 1.67	8 4 3	40 75 75	S S S	A1318-A2 A1309-A2 A1309-A3
BUZ 50 BUZ 50 A BUZ 50 B BUZ 50 C	1000	2.8 2.5 2 2.3	1.67 1.67 1.67 1.67	4 5 8 6	75 75 75 75	S S S S	A1307-A2 A1307-A3 A1307-A4 A1307-A5

P-Kanal Anreicherungstypen im Kunststoffgehäuse TO-220 AB
P channel enhancement types in plastic package TO-220 AB

Typ Type	$V_{DS(max)}$ V	$I_D(max)$ A	$R_{thJC(max)}$ K/W	$R_{DS(on)max}$ Ω	P_{tot} W	SBS SCS	Bestellnummer Ordering code C67078-
BUZ 171	-50	-8	3.1	0.3	40	S	A1450-A2
BUZ 172	-100	-5.5	3.1	0.6	40	S	A1451-A2
BUZ 173	-200	-3.6	3.1	1.5	40	S	A1452-A2

¹⁾ FREDFET, Leistungstransistor mit schneller Inversdiode
 SBS ≙ Siemens Bauteile Service

¹⁾ FREDFET, power transistor with fast-recovery reverse diode
 SCS ≙ Siemens Components Service

N-Kanal Anreicherungstypen im Kunststoffgehäuse TO-218 AA (TOP-3)
N channel enhancement types in plastic package TO-218 AA (TOP-3)

Typ Type	$V_{DS(max)}$ V	$I_D(max)$ A	$R_{thJC(max)}$ K/W	$R_{DS(on)max}$ Ω	P_{tot} W	SBS SCS	Bestellnummer Ordering code C67078-
BUZ 346 BUZ 347 BUZ 348	50	60 42 39	1 1 1	0.018 0.03 0.04	125 125 125	 S S	A3120-A2 A3115-A2 A3116-A2
BUZ 349	100	32	1	0.06	125	S	A3113-A2
BUZ 350	200	22	1	0.12	125	S	A3117-A2
BUZ 325 BUZ 326 BUZ 382 ¹⁾ BUZ 383 ¹⁾	400	12.5 10.5 12.5 11.5	1 1 1 1	0.35 0.5 0.4 0.5	125 125 125 125	 S S S S	A3118-A2 A3112-A2 A3207-A2 A3208-A2
BUZ 330 BUZ 331 BUZ 384 ¹⁾ BUZ 385 ¹⁾	500	9.5 8 10.5 9	1 1 1 1	0.6 0.8 0.6 0.8	125 125 125 125	 S S S S	A3105-A2 A3114-A2 A3209-A2 A3210-A2
BUZ 307 BUZ 308 BUZ 355 BUZ 356 BUZ 361 ¹⁾ BUZ 376 ¹⁾ BUZ 377 ¹⁾	800	3 2.6 6 5 2.9 6.5 5.5	1.67 1.67 1 1 1.67 1 1	3 4 1.5 2 4.5 1.5 2	75 75 125 125 75 125 125	 S S S S 	A3100-A2 A3109-A2 A3107-A2 A3108-A2 A3200-A2 A3211-A2 A3212-A2
BUZ 309 BUZ 310 BUZ 311 BUZ 357 BUZ 358 BUZ 380 ¹⁾ BUZ 381 ¹⁾	1000	2.8 2.5 2.3 5 4.5 5.5 4.9	1.67 1.67 1.67 1 1 1 1	4 5 6 2 2.6 2 2.6	75 75 75 125 125 125 125	 S S S S 	A3124-A2 A3101-A2 A3102-A2 A3110-A2 A3111-A2 A3205-A2 A3206-A2

¹⁾ FREDFET, Leistungstransistor mit schneller Inversdiode
 SBS = Siemens Bauteile Service

¹⁾ FREDFET, power transistor with fast-recovery reverse diode
 SCS = Siemens Components Service

N-Kanal Anreicherungstypen im Metallgehäuse TO-204 AA und TO-204 AE (TO-3)
N channel enhancement types in metal case TO-204 AA and TO-204 AE (TO-3)

Typ Type	$V_{DS(max)}$ V	$I_D(max)$ A	$R_{thJC(max)}$ K/W	$R_{DS(on)max}$ Ω	P_{tot} W	SBS SCS	Bestellnummer Ordering code C67078-
BUZ 14 ²⁾ BUZ 15 ²⁾ BUZ 16	50	39 45 60	1 1 1	0.04 0.03 0.018	125 125 125	S S	A1000-A2 A1001-A2 A1020-A2
BUZ 23 BUZ 24 ²⁾ BUZ 25 ²⁾	100	10 32 21	1.6 1 1.6	0.2 0.06 0.085	78 125 78	S S S	A1002-A2 A1003-A2 A1011-A2
BUZ 34 ²⁾ BUZ 35 BUZ 36 ²⁾	200	14 9.9 22	1.6 1.6 1	0.2 0.4 0.12	78 78 125	S S S	A1005-A2 A1014-A2 A1018-A2
BUZ 63 BUZ 64 BUZ 201 ¹⁾ BUZ 202 ¹⁾	400	5.9 11.5 12.5 11.5	1.6 1 1 1	1 0.4 0.4 0.5	78 125 125 125	S S S S	A1016-A2 A1017-A2 A1101-A2 A1107-A2
BUZ 45 BUZ 45 A BUZ 45 B BUZ 210 ¹⁾ BUZ 211 ¹⁾	500	9.6 8.3 10 10.5 9	1 1 1 1 1	0.6 0.8 0.5 0.6 0.8	125 125 125 125 125	S S S S S	A1008-A2 A1008-A3 A1008-A4 A1102-A2 A1100-A2
BUZ 94	600	7.8	1	0.9	125	S	A1019-A2
BUZ 83 BUZ 83 A BUZ 84 BUZ 84 A BUZ 220 ¹⁾ BUZ 221 ¹⁾	800	2.9 3.4 5.3 6 6.5 5.5	1.6 1.6 1 1 1 1	4 3 2 1.5 1.5 2	78 78 125 125 125 125	S S S S S S	A1012-A2 A1012-A3 A1013-A2 A1013-A3 A1103-A2 A1104-A2
BUZ 53 A BUZ 53 C BUZ 54 BUZ 54 A BUZ 230 ¹⁾ BUZ 231 ¹⁾	1000	2.6 2.3 5.1 4.5 5.5 4.9	1.6 1.6 1 1 1 1	5 6 2 2.6 2 2.6	78 78 125 125 125 125	S S	A1009-A3 A1009-A5 A1010-A2 A1010-A3 A1105-A2 A1106-A2

N-Kanal Anreicherungstypen im isolierten Gehäuse TO-238 AA
N channel enhancement types in insulated package TO-238 AA

Typ Type	$V_{DS(max)}$ V	$I_D(max)$ A	$R_{thJC(max)}$ K/W	$R_{DS(on)max}$ Ω	P_{tot} W	SBS SCS	Bestellnummer Ordering code C67078-
BUZ 17 BUZ 18	50	32 37	1.5 1.5	0.04 0.03	83.3 83.3	S	A1600-A2 A1601-A2
BUZ 27	100	26	1.5	0.06	83.3	S	A1602-A2

¹⁾ FREDFET, Leistungstransistor mit schneller Inversdiode²⁾ Source/Gate-Anschluß Ø 1,5 mm

SBS = Siemens Bauteile Service

¹⁾ FREDFET, power transistor with fast-recovery reverse diode²⁾ Source/Gate connection 1.5 mm dia

SCS = Siemens Components Service

N-Kanal Anreicherungstypen im isolierten Gehäuse TO-238 AA

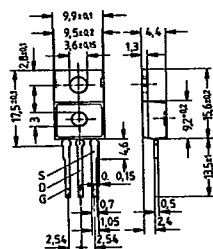
Typ Type	$V_{DS(max)}$ V	$I_D(max)$ A	$P_{thUC(max)}$ K/W	$P_{DS(on)max}$ Ω	P_{tot} W	SBS SCS	Bestellnummer Ordering code C67078-
BUZ 37 BUZ 38	200	13 18	1.78 1.5	0.2 0.12	70 83.3	S S	A1603-A2 A1611-A2
BUZ 67	400	9.6	1.5	0.4	83.3	S	A1610-A2
BUZ 48 BUZ 48 A BUZ 213 ¹⁾ BUZ 214 ¹⁾	500	7.8 6.8 8.5 7	1.5 1.5 1.5 1.5	0.6 0.8 0.6 0.8	83.3 83.3 83.3 83.3	S S	A1605-A2 A1605-A3 A1700-A2 A1701-A2
BUZ 88 BUZ 88 A	800	4.3 5	1.5 1.5	2 1.5	83.3 83.3	S S	A1609-A2 A1609-A3
BUZ 58 BUZ 58 A	1000	4.2 3.6	1.5 1.5	2 2.6	83.3 83.3	S	A1607-A2 A1607-A3

¹⁾ FREDFET, Leistungstransistor mit schneller Inversdiode
SBS $\hat{=}$ Siemens Bauteile Service

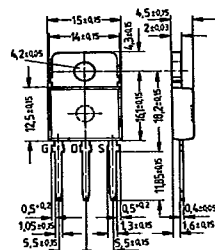
¹⁾ FREDFET, power transistor with fast-recovery reverse diode
SCS $\hat{=}$ Siemens Components Service

Maßbilder Dimensional drawings

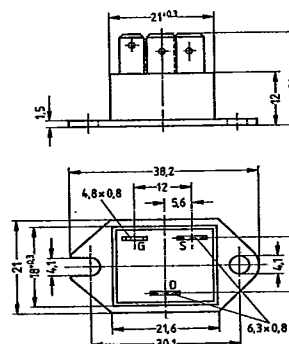
Kunststoffgehäuse TO-220 AB
Plastic package TO-220 AB



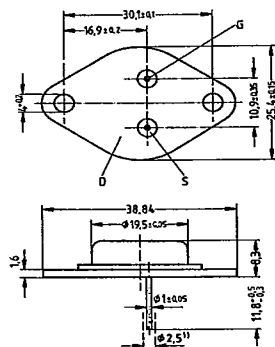
Kunststoffgehäuse TO-218 AA (TOP-3)
Plastic package TO-218 AA (TOP-3)



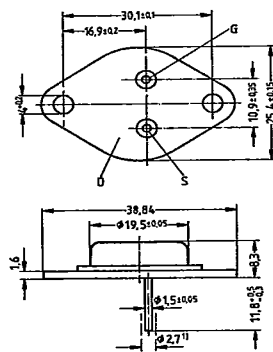
Kunststoffgehäuse TO-238 AA
Plastic package TO-238 AA



Metallgehäuse TO-204 AA (TO-3)
Metal case TO-204 AA (TO-3)

¹⁾ max. Biegebereich max. bending area

Metallgehäuse TO-204 AE (TO-3)
Metal case TO-204 AE (TO-3)

¹¹ max. Biegebereich max. bending area