

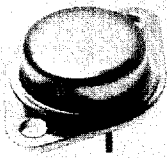
Magnatec - lateral MOSFETs for the audio market

Magnatec, a company within the Semelab Group, introduces a range of complementary lateral MOSFET power transistors.

Supplied in a range of outlines, the 8/16Amp, 160/200Volt series of devices have been designed especially for audio and industrial amplifier applications. The devices are particularly rugged, the single chip version being continuously rated

at 125 W whilst the double chip variant dissipates up to 250W per device. The single chip die BUZ901/906 are optimised for use in amplifiers up to 1kW, the double die types being designed to achieve true output powers of 2kW.

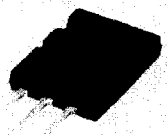
Further developments in packaging techniques have allowed the company to offer Smartpack power modules capable of 500W power dissipation.



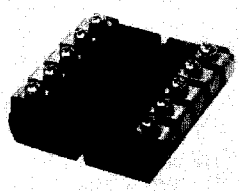
TO3



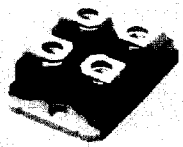
TO247



TO264



Smartpack C 4



SOT227

UK Part number	Package	BV _{DSS} (V)	I _D (A)	P _D (W)	Channel	Equivalent
BUZ900	TO3	160	8	125	N	2SK135
BUZ900D	TO3	160	16	250	N	2 X 2SK135
BUZ900P	TO247	160	8	125	N	2SK1058
BUZ901	TO3	200	8	125	N	2SK176
BUZ901D	TO3	200	16	250	N	2 X 2SK176
BUZ901P	TO247	200	8	125	N	-
BUZ905	TO3	160	8	125	P	2SJ50
BUZ905D	TO3	160	16	250	P	2 X 2SJ50
BUZ905P	TO247	160	8	125	P	2SJ162
BUZ906	TO3	200	8	125	P	2SJ56
BUZ906D	TO3	200	16	250	P	2 X 2SJ56
BUZ906P	TO247	200	8	125	P	-
BUZ900DP	TO264	160	16	250	N	-
BUZ905DP	TO264	160	16	250	P	-
BUZ901DP	TO264	200	16	250	N	-
BUZ906DP	TO264	200	16	250	P	-
BUZ900X4S	SOT227	160	32	500	N	-
BUZ901X4S	SOT227	200	32	500	N	-
BUZ905X4S	SOT227	160	32	500	P	-
BUZ906X4S	SOT227	200	32	500	P	-
MNT-LB32P16	Smartpack	160	32	500	N and P	-
MNT-LB32P20	Smartpack	200	32	500	N and P	-
MNT-LC32016-C4	Smartpack	160	32	500	N and P	-
MNT-LC32030-C4	Smartpack	200	32	500	N and P	-

US Part number	Package	BV _{DSS} (V)	I _D (A)	P _D (W)	Channel	Equivalent
UST16N10	TO3	160	8	125	N	2SK135
UST16N20	TO3	160	16	250	N	2 X 2SK135
USP16N10	TO247	160	8	125	N	2SK1058
UST20N10	TO3	200	8	125	N	2SK176
UST20N20	TO3	200	16	250	N	2 X 2SK176
USP20N10	TO247	200	8	125	N	-
UST16P10	TO3	160	8	125	P	2SJ50
UST16P20	TO3	160	16	250	P	2 X 2SJ50
USP16P10	TO247	160	8	125	P	2SJ162
UST20P10	TO3	200	8	125	P	2SJ56
UST20P20	TO3	200	16	250	P	2 X 2SJ56
USP20P10	TO247	200	8	125	P	-
USP16N20	TO264	160	16	250	N	-
USP16P20	TO264	160	16	250	P	-
USP20N20	TO264	200	16	250	N	-
USP20P20	TO264	200	16	250	P	-
US0X4S	SOT227	160	32	500	N	-
US1X4S	SOT227	200	32	500	N	-
US5X4S	SOT227	160	32	500	P	-
US6X4S	SOT227	200	32	500	P	-
USS-LB32P16	Smartpack	160	32	500	N and P	-
USS-LB32P20	Smartpack	200	32	500	N and P	-
USS-LC32016-C4	Smartpack	160	32	500	N and P	-
USS-LC32030-C4	Smartpack	200	32	500	N and P	-