

	0603	SOD-523	SOD-323F	Power SOD-323	~SOD-106	SOD-123F	
Diodes							Diodes
ESD	ESD0521Z, ESD0541Z 1)	BAS216WT	1N4148WS, 1SS5004WS BAV19WS ... BAV21WS		MCL4148 MCL4448	1N4148W 1N4448W	Small Signal
	1608		BAS316WS BAT54WS		MCL101B ... MCL101C MCL103B ... MCL103C	SD101AW ... SD101BW SD103AW ... SD103BW	Schottky
ESD	(0603 mil) ESDBL242P 1) 1) bidirectional	MM5Z2V4 ... MM5Z47 ESD5Z3V3 ... ESD5Z12	MM3Z2V4 ... MM3Z47 ESD3Z5V0 ... ESD3Z12 ESD3B5V0WS...24WS1)		ZMC2V4 ... ZMCZ75	BAT46W BZT52C2V4 ... BZT52CZ75 MMSZ5227B ... MMSZ5262B MM1Z4689 ... MM1Z4717	Zener

	Ø 2.5 x 6.5	Ø D x L	Ø 7.3 x 22	Ø 55 x 23	Ø 49 x 258	
High Voltage Rectifier						High Voltage Rect.
Superfast Recovery	I_{FAV} 5 mA 20 mA	I_{FAV} 5 mA 20 mA	I_{FAV} 0.5 A 1 A	I_{FAV} 1.8 ... 6 A	I_{FAV} 4 A	I_{FAV}
V_{RRM}	3000 4000 6000 8000 10000 12000 14000 16000 18000 24000	DD300 DD600	BY4 BY6 BY8 BY12 BY16 Std.	SI-A1125/500-6 (6 A) SI-A1750/775-4 (4 A) SI-A3000/1350-2.5 (2.5 A) SI-A8000/3600-1.8 (1.8 A)	SI-E8000/3600-4 (4 A)	3200 V _{RRM} 4800 6000 8000 10000 12000 14000 16000 18000 24000 [V]

	SOT-23				SOT-323				SOT-363				
Diodes													Diodes/Transistors
Small Signal	BAS16	BAW56	BAV70	BAV99 BAV199	BAS16W	BAV99W	BAV70W	BAW56W	BAS16DW	BAV70DW	MMBD4448SDW	BAV756DW	Small Signal
Schottky	BAS19...21	BAS35	BAS31										Small Signal
Zener	BZx84C2V4 BZx84C47	2BZx84C3 2BZx84C47		BZx84C2V4W BZx84C47W					BC846S 2x NPN	NPN/PNP BC847S	2x PNP BC857S		Bipolar
Adj. Ref.	Shunt Regulator Adjustable Voltage Reference		MMTV431A MMTL431A	MML431AR							MMBT7002DW 2x N		MOS

	DO-213AA	DO-214AC	DO-214AA	SOD-80C	DO-35	
Current Limiting Diodes						Current Limiting Diodes
CLD	P_{tot} 1 W	P_{tot} 1 W	P_{tot} 1 W	P_{tot} 1 W	P_{tot} 1 W	P_{tot}
I_{Pnom}	15	CL15M35	CL15M45	CL15M35	CL15M45	CLD
20	CL10MD	CL20M35	CL20M45	CL20M35	CL20M45	Diodes
25	CL15MD					BR100-03LLD DB3 DB31 DB32
30	CL20MD					BR100-04LLD DB4
40	CL30MD	CL40M35	CL40M45			28...36 V _{Bo} 30...34 32...36 35...45 [V]

	SOT-23		SOT-26	SOT-323	TO-92		
Transistors							Transistors
Bipolar	NPN	PNP	NPN/PNP	PNP	NPN	PNP	Bipolar
	BC817-16...BC818-40 BC846A...BC850C MMBTA 06/42/44 MMBT 2222A/3904 MMBT 4401/5551	BC807-16...BC808-40 BC856A...BC860C MMBTA 56/92/94 MMBT 2907A/3906 MMBT 4403/5401	BC817BPN SOT-883 (DFN-1006) max 0.05	BC856AW...BC859CW BC846AW...BC849CW	BC337-16...BC338-40* BC546A...BC549C* MPSA 06/42/44* 2N 2222A/3904 2N 4401/5551	BC327-16...BC328-40* BC556A...BC559C* MPSA 56/92* 2N 2907A/3906 2N 4403/5401	Bipolar
	BC817K-16...BC817K-40 MMBTRC 101...106SS MMBTRC 110...114SS MMBTRC 116...121SS	MMBTRA 221...226SS MMBTR = Digital Transistors	NPN BC846BP...BC848BP	NPN * Version "BK" (bulk packed) on request Version "BK" (als Schüttgut) auf Anfrage	NPN 4.6 ^{+0.1} min 12.5		MOS
	N channel MMFTN 20/123/138/170 MMBT7002K	P channel MMFTP84	N channel MMFTN3018W	N channel 2N7000			

	Press-fit	Press-fit	Press-fit	Button		
Power Rectifier					Power Rectifier	
Stand.	I_{FAV} 25 A 35 A 50/60 A	I_{FAV} 25 A 35 A	I_{FAV} 25 A 35 A	I_{FAV} 25 A 35 A	I_{FAV}	
V_{RRM}	100 200 400 600	BYP25x1 BYP25x2 BYP25x4 BYP25x6	BYP35x1 BYP35x2 BYP35x4 BYP35x6	BYP60x1 BYP60x2 BYP60x4 BYP60x6	KYW25x1 KYW25x2 KYW25x4 KYW25x6	100 V _{RRM} 200 400 600 [V]
V_{BR}	19.8 ... 24.2	BYZ35x22 BYZ35x33 BYZ35x39 BYZ35x47	BYZ50x22 BYZ50x33 BYZ50x39 BYZ50x47			Some products are also available as AEC-Q101 qualified parts(suffix -AQ). For further information please contact automotive@diotec.com