

	0603	SOD-523	SOD-323F	Power SOD-323	~SOD-106	SOD-123F	
Diodes	(0201 mil) 				MicroMelf 		Diodes
ESD	ESD0521Z, ESD0541Z 1)	BAS216WT	1N4148WS, 1SS5004WS BAV19WS ... BAV21WS	SRL1B ... SRL1M Standard/Superfast	MCL4148 MCL4448	CL05M6F CLD	Small Signal
1608			BAS316WS BAT54WS	URL1B ... URL1M SDB13HS		1N4148W, 1N4448W SD101AW ... SD101BW	Schottky
ESD	ESDBL24DP 1) 1) bidirectional	ESD5Z3V3 ... ESD5Z12	ESD3Z5V0 ... ESD3Z12 ESD3B5V0WS...24WS ¹⁾	SDB14HS SDB160WS under development	MCL103B ... MCL103C ZMC2.4 ... ZMCZ75	SD103AW ... SD103BW BAT46W MMSZ5227B ... MMSZ5262B MM1Z4689 ... MM1Z4717 MM1Z4728 ... MM1Z4756	Zener

	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										
Zener	BZX84C2V4	2BZX84C3 ...	BZX84C47	2BZX84C47	BZX84C2V4W ...	BZX84C47W			BC846S		BC856S		Bipolar
ESD	ESD3V3CA...ESD36CA								BC847S	BC847PN	BC857S		
Adj. Ref.	Shunt Regulator Adjustable Voltage Reference											2x N	MOS
		MMTV431A										MMBT7002DW	

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

	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.

	I _{FAV}	5 mA	20 mA	5 mA	20 mA		0.5 A	1 A	1.8 ... 6 A	4 A	I _{FAV}
V_{RRM}	3000		DD300						SI-A1125/500-6 (6 A)		3200 V_{RRM}
	4000					Fast		BY4	SI-A1750/775-4 (4 A)		4800
Superfast Recovery	6000		DD600					BY6			6000
	8000	2CL71A		2CL71 (D=3 L=8)	DD1000		0.45 A	BY8	SI-A3000/1350-2.5 (2.5 A)		8000
	10000										10000
	12000				DD1200		BY4512F	BY12			12000
	14000				DD1400						14000
	16000				DD1600		BY16				16000
	18000				DD1800		Std.				18000
[V]	24000								SI-A8000/3600-1.8 (1.8 A)	SI-E8000/3600-4 (4 A)	24000 [V]

	DO-213AA	DO-214AC	DO-214AA	SOD-80C	DO-35	
Current Limiting Diodes	Plastic MiniMelf 	SMA 	SMB 	Glass MiniMelf 		Current Limiting Diodes
CLD	P_{tot} 1 W	1 W	1 W	1 W		CLD
	I _{Pnom} 15	CL15M35	CL15M45			
	20	CL10MD	CL20M35			
	25	CL15MD				
	30	CL20MD				
[mA]	40	CL30MD	CL40M35	CL40M45		

	Press-fit			Press-fit	Press-fit	Button						
Power Rectifier							Power Rectifier					
Stand. [V]	I_{FAV}	25 A	35 A	50/60 A	25 A	35 A	25 A					
	V_{RRM}	100	BYP25x1	BYP35x1	BYP60x1	KYW25x1	KYW35x1	KYZ25x1	KYZ35x1	RA251	RA351	100 V_{RRM}
	200	BYP25x2	BYP35x2	BYP60x2	KYW25x2	KYW35x2	KYZ25x2	KYZ35x2	RA252	RA352	200	
	400	BYP25x4	BYP35x4	BYP60x4	KYW25x4	KYW35x4	KYZ25x4	KYZ35x4	RA254	RA354	400	
	600	BYP25x6	BYP35x6	BYP60x6	KYW25x6	KYW35x6	KYZ25x6	KYZ35x6	RA256	RA356	600 [V]	
	V_{BR}	19.8 ... 24.2	BYZ35x22	BYZ50x22								
	TVS	24.3 ... 29.7	BYZ35x33	BYZ50x33								
	[V]	35.1 ... 42.9	BYZ35x39	BYZ50x39								
	[V]	42.3 ... 51.7	BYZ35x47	BYZ50x47								

Some products are also available as **AEC-Q101** qualified parts(suffix -AQ).
For further information please contact automotive@diotec.com