








Ø x L [mm]		Ø 1.45 x 3.5	Ø 1.6 x 3.5			Ø 2.5 x 5.0			2.8 x 1.8		4.5 x 2.7			4.6 x 3.7				7.2 x 5.8				L x W [mm]			
Diotec Semiconductor		SOD-80C Glass MiniMelf	DO-213AA Plastic MiniMelf			DO-213AB Plastic Melf			SOD-123FL		DO-214AC SMA			DO-214AA SMB				DO-214AB SMC				Diotec Semiconductor			
SMD Diodes/Rectifier																						SMD Diodes/Rectifier			
Standard Recovery	I _{FAV}	0.5 A 1 A 1 A			1 A 2 A 3 A			1 A	1 A	1 A	1.5 A	2 A 3 A		3 A 5 A 8 A		I _{FAV}									
	V _{RRM} 50	GL34A GL1A AL1A ¹⁾			SM4001 SM5400			SL1A	M1*	S1A		S2A	S3ASMB	S3A	S5A	S8A	50 V _{RRM}								
	100	GL34B GL1B AL1B ¹⁾			SM4002 SM5401			SL1B	M2*	S1B		S2B	S3BSMB	S3B	S5B	S8B	100								
	200	More packages see "Small Signal Diodes"	GL34D GL1D AL1D ¹⁾			SM4003 SM5059 SM5402			SL1D	M3*	S1D	BYG10D ¹⁾	S2D	S3DSMB	S3D	S5D	S8D	200							
	400		GL34G GL1G AL1G ¹⁾			SM4004 SM5060 SM5404			SL1G	M4*	S1G	BYG10G ¹⁾	S2G	S3GSMB	S3G	S5G	S8G	400							
	600		GL34J GL1J AL1J ¹⁾			SM4005 SM5061 SM5406			SL1J	M5*	S1J	BYG10J ¹⁾	S2J	S3JSMB	S3J	S5J	S8J	600							
	800		GL34K GL1K AL1K ¹⁾			SM4006 SM5062 SM5407			SL1K	M6*	S1K	BYG10K ¹⁾	S2K	S3KSMB	S3K	S5K	S8K	800							
	1000		GL34M GL1M AL1M ¹⁾			SM4007 SM5063 SM5408			SL1M	M7*	S1M	BYG10M ¹⁾	S2M	S3MSMB	S3M	S5M	S8M	1000							
	1300		⚡	¹⁾ Devices with Controlled Avalanche Characteristic			SM513	1 A		²⁾ with ESD Characteristic (under development) 1A in Power SOD-323: see " Small Signal "			S1T	¹⁾ Devices with Controlled Avalanche Characteristic		S2T	S3T	S5T	1300						
	1600	SM516					AM2000 ¹⁾		* Budget				S1W			S2W	S3W	S5W	1600						
1800	SM518						Device	S1X	S2X				S3X			S5X	1800								
[V] 2000					SM2000	SM3000 (3000 V)			S1YL*	S1Y	S2Y	S3Y	S5Y	2000 [V]											
Fast Recovery	I _{FAV}	0.5 A 1 A 1 A			1 A 2 A			1 A	1 A			2 A		3 A				I _{FAV}							
	V _{RRM} 50	RGL34A RGL1A RAL1A ¹⁾			SA154			FRL1A	FR1A			FR2A		FR3A				50 V _{RRM}							
	100	RGL34B RGL1B RAL1B ¹⁾			SA155			FRL1B	FR1B			FR2B		FR3B				100							
	200	RGL34D RGL1D RAL1D ¹⁾			SA156			FRL1D	FR1D			FR2D		FR3D				200							
	400	RGL34G RGL1G RAL1G ¹⁾			SA157			FRL1G	FR1G			FR2G		FR3G				400							
	600	RGL34J RGL1J RAL1J ¹⁾			SA158			FRL1J	FR1J			FR2J		FR3J				600							
	800	RGL34K RGL1K RAL1K ¹⁾			SA159			FRL1K	FR1K			FR2K		FR3K				800							
	1000	RGL34M RGL1M RAL1M ¹⁾			SA160			FRL1M	FR1M			FR2M		FR3M				1000							
	1200					SA261				2 A								1200							
	1300								FR2TSMA									1300							
1400				¹⁾ Devices with Controlled Avalanche Characteristic		SA262			⚡		¹⁾ Devices with Controlled Avalanche Characteristic			Some products are also available as AEC-Q101 qualified parts (suffix -AQ). For further information please contact automotive@diotec.com				1400							
1600					SA263			FR2WSMA			1600														
1800					SA264			FR2XSMA			1800														
[V] 2000					SA265				FR2YSMA								2000 [V]								
Ultrafast Recovery	I _{FAV}	0.15 ... 0.3 A		0.2 A 0.5 A 1 A		1 A			1 A	1 A 1 A 1 A 2 A 1.5 A					2 A 2 A 2 A 3 A		3 A 3 A 3 A		I _{FAV}						
	V _{RRM} 50	LL4150 / LL4151		BAV100	EGL34A	EGL1A	EAL1A ¹⁾	SUF4001			USL1A	US1A	ER1A	ES1A	ES2ASMA	US2A	ER2A	ES2A	ES3ASMB	US3A	ER3A	ES3A	50 V _{RRM}		
	100	LL4148 / LL4448		BAV101	EGL34B	EGL1B	EAL1B ¹⁾	SUF4002			USL1B	US1B	ER1B	ES1B	ES2BSMA	US2B	ER2B	ES2B	ES3BSMB	US3B	ER3B	ES3B	100		
	200		BAV102		EGL34D	EGL1D	EAL1D ¹⁾	SUF4003			USL1D	US1D	ER1D	ES1D	ES2DSMA	BYG20D ¹⁾	US2D	ER2D	ES2D	ES3DSMB	US3D	ER3D	ES3D	200	
	300		BAV103					⚡							ER2DSMA									200	
	400		Quadro-MiniMelf:		EGL34G	EGL1G	EAL1G ¹⁾	SUF4004			USL1G	US1G	ER1G	ES1G	ES2GSMA	BYG20G ¹⁾	US2G	ER2G	ES2G	ES3GSMB	US3G	ER3G	ES3G	400	
	600		LS4148 / LS4448			EGL1J	EAL1J ¹⁾	SUF4005			USL1J	US1J	ER1J	ES1J	ES2JSMA	BYG20J ¹⁾	US2J	ER2J	ES2J	ES3JSMB	US3J	ER3J	ES3J	600	
	800		(100 V)			EGL1K	EAL1K ¹⁾	SUF4006			USL1K	US1K	ER1K				US2K	ER2K			US3K	ER3K		800	
1000					EGL1M	EAL1M ¹⁾	SUF4007			USL1M	US1M	ER1M	1 A		US2M	ER2M			US3M	ER3M		1000			
[V] 1300																						1300 [V]			
Schottky Barrier	I _{FAV}	0.015 ... 0.35 A		0.5 A 1 A 2 A		1 A 1 A 2 A 3 A 5 A			1 A 3 A		1 A 3 A		3 A		2 A 3 A 5 A 5 A		3 A 4 A 8 A 8 A		I _{FAV}						
	V _{RRM} 20	LL103C		SGL34-20	SGL1-20	SMS120	SM5817	SMS220	SMS320	SKL12	SKL32	SK12	SL32SMA-3G	SK22	SK32SMB	SL52-3G	SK32		SL82-3G	20 V _{RRM}					
	30	LL103B		SGL34-30	SGL1-30	SMS130	SM5818	SMS230	SMS330	SKL13	SKL33	SK13		SK23	SK33SMB		SK33			30					
	40	LL103A / LL101C		SGL34-40	SGL1-40	SGL2-40-3G	SMS140	SM5819	SMS240	SMS340	SMS340-3G	SKL14	SKL34	SK14	SL34SMA-3G	SK34SMA-3G	SK24	SK34SMB	SL54-3G	SK54-3G	SK34	-3G = 3rd Generation Schottky:	SL84-3G	SK84-3G	40
	50	LL101B		SGL34-50	SGL1-50	SGL2-60-3G	SMS150		SMS250	SMS350		SKL15	SKL35	SK15		SK35SMA	SK25	SK35SMB		SK55	SK35	reduced leakage!		SK85	50
	60			SGL34-60	SGL1-60	SGL2-60-3G	SMS160		SMS260	SMS360	SMS560-3G	SKL16	SKL36	SK16	Low V_F Schottky	SK36SMA-3G	SK26	SK36SMB	Low V_F Schottky	SK56-3G	SK36			SK86-3G	60
	90			SGL34-90	SGL1-90	SGL2-100-3G	SMS190		SMS290	SMS390		SKL18	SKL38	SK18		SK38SMA	SK28	SK38SMB		SK58	SK38			SK88	80
	100			SGL34-100	SGL1-100	SGL2-100-3G	SMS1100		SMS2100	SMS3100	SMS5100-3G	SKL110		SK110		SK310SMA-3G	SK210	SK310SMB-3G	Low V_F Schottky	SK510-3G	SK310			SK810-3G	100
	150				SGL1-150	SGL2-150-3G	SMS1100		SMS2150	SMS3150	SMS5150-3G			SK115		SK315SMA				SK515	SK315			SK815	150
	200				SGL1-200	SGL2-200-3G	SMS1100		SMS2200	SMS3200	SMS5200-3G					SK320SMA-3G				SK520-3G			SK420		SK820-3G
100			High Temperature Schottky			under development													SK3H10SMB	SK3H10			High Temperature Schottky	100	
[V] 150																			SK3H15SMB					150 [V]	