

Ø x L [mm]	Ø 1.45 x 3.5	Ø 1.6 x 3.5	Ø 2.5 x 5.0	Ø 2.5 x 5.0			2.8 x 1.8	3.4 x 2.5	4.5 x 2.7	4.6 x 3.7	7.2 x 5.8	L x W [mm]				
SMD Diodes & Protection	<b>SOD-80C</b> Glass MiniMelf	<b>DO-213AA</b> Plastic MiniMelf	<b>DO-213AB</b> Glass Melf	<b>DO-213AB</b> Plastic Melf			<b>SOD-123FL</b>	<b>DO-221AC</b> SMAF	<b>DO-214AC</b> SMA	<b>DO-214AA</b> SMB	<b>DO-214AB</b> SMC	SMD Diodes & Protection				
<b>P<sub>tot</sub></b>	<b>500 mW</b>	<b>1 W</b>	<b>1 W</b>	<b>1 W</b>	<b>2 W</b>	<b>3 W</b>	<b>1 W</b>		<b>1.5 W</b>	<b>2 W</b>	<b>3 W</b>	<b>P<sub>tot</sub></b>				
<b>Zener</b>	<b>V<sub>Z</sub> 1 ...</b>	ZMM1	ZMD1	ZMY1	SMZ1	SZ3C1			Z1SMA1			<b>1 ... V<sub>Z</sub></b>				
	<b>... 3.9</b>	ZMM2.4...3.9	ZMD3.9	ZMY3.9G			MM1Z4728A...4730A					<b>... 3.9</b>				
	<b>... 5.6</b>	ZMM4.3...5.6	ZMD4.3...5.6	ZMY4.3G...5.6G		SMZ5.6	MM1Z4731A...4734A		Z1SMA5.6			<b>... 5.6</b>				
	<b>... 10</b>	ZMM6.2...10	ZMD6.2...10	ZMY6.2G...9.1G		SMZ6.2...10	MM1Z4735A...4740A		Z1SMA6.2...10	Z2SMB6.8...10	Z3SMC6.8...10	<b>... 10</b>				
	<b>... 100</b>	ZMM11...75	ZMD11...100		SMZ11...100	SMZ11...100	SZ3C11...100	MM1Z4736A...4756A	Z1SMA11...100	Z2SMB11...200	Z3SMC11...200	<b>... 100</b>				
<b>... 200</b>				SMZ110...200	SMZ110...200	SZ3C110...200	More see "Small Signal"				<b>... 200</b>					
<b>[V]</b>												<b>[V]</b>				
<b>P<sub>PPM</sub></b>		<b>150 W</b>		<b>400 W</b>	<b>600 W</b>		<b>200 W</b>	<b>600 W</b>	<b>400 W</b>	<b>500 W</b>	<b>600 W</b>	<b>1000 W</b>	<b>1500 W</b>	<b>3000 W</b>	<b>5000 W</b>	<b>P<sub>PPM</sub></b>
<b>uni-directional</b>	<b>V<sub>BR</sub></b>		<b>TGL34-</b>	<b>TGL41-</b>	<b>TGL61-</b>		<b>SMF</b>	<b>TPSMA6L</b>	<b>P4SMAJ</b>	<b>P5SMAJ</b>	<b>P6SMBJ</b>	<b>1.0SMBJ</b>	<b>1.5SMCJ</b>	<b>3.0SMCJ</b>	<b>5.0SMCJ</b>	<b>V<sub>BR</sub></b>
	<b>... 10</b>		6.8(A)...10(A)	6.8(A)...10(A)	6.8(A)...10(A)		5.0A...8.5A	5.0A...8.5A	5.0(A)...8.5(A)	5.0(A)...8.5(A)	5.0(A)...8.5(A)	5.0(A)...8.5(A)	5.0(A)...8.5(A)	5.0(A)...8.5(A)	5.0(A)...8.5(A)	<b>... 10</b>
	<b>... 200</b>		11(A)...200(A)	11(A)...200(A)	11(A)...200(A)		9.0A...170A	9.0A...85A	9.0(A)...170(A)	9.0(A)...170(A)	9.0(A)...170(A)	9.0(A)...120(A)	9.0(A)...170(A)	9.0(A)...170(A)	12(A)...170(A)	<b>... 200</b>
<b>TVS</b>	<b>... 520</b>															<b>... 520</b>
	<b>... 10</b>		<b>TGL34-</b>	<b>TGL41-</b>	<b>TGL61-</b>		<b>SMF</b>		<b>P4SMA</b>		<b>P6SMB</b>		<b>1.5SMC</b>			<b>... 10</b>
	<b>... 200</b>		6.8C(A)...10C(A)	6.8C(A)...10C(A)	6.8C(A)...10C(A)		5.0CA...8.5CA		<b>P4SMAJ</b>	<b>P5SMAJ</b>	<b>P6SMBJ</b>	<b>1.0SMBJ</b>	<b>1.5SMCJ</b>	<b>3.0SMCJ</b>	<b>5.0SMCJ</b>	<b>... 200</b>
<b>bi-directional</b>	<b>... 520</b>								<b>P4SMA</b>		<b>P6SMB</b>		<b>1.5SMC</b>			<b>... 520</b>
	<b>... 10</b>		11C(A)...200C(A)	11C(A)...200C(A)	11C(A)...200C(A)		9.0CA...170CA		5.0C(A)...8.5C(A)	5.0C(A)...8.5C(A)	5.0C(A)...8.5C(A)	5.0C(A)...8.5C(A)	9.0C(A)...170C(A)	5.0C(A)...8.5C(A)	9.0C(A)...170C(A)	<b>... 10</b>
	<b>... 200</b>								9.0C(A)...170C(A)	9.0C(A)...170C(A)	9.0C(A)...170C(A)	9.0C(A)...120C(A)	5.0C(A)...8.5C(A)	9.0C(A)...170C(A)	12C(A)...170C(A)	<b>... 200</b>
<b>[V]</b>															<b>[V]</b>	
<b>P<sub>PPM</sub></b>				<b>300 W</b>												
<b>V<sub>BR</sub></b>	<b>1</b>			<b>Clamping Diodes</b>				Clamping diodes are used to protect low voltage / high speed signal lines.								
	<b>2</b>			SDA2AK SDA4AK												
<b>V<sub>R</sub></b>	<b>600</b>			<b>Snubber Circuit</b>				A snubber circuit is used to protect the switching MOSFET on the primary side of flyback converters.								
	<b>800</b>			TGL200C06	TGL200CF06	TGL200CU06										
	<b>1000</b>			TGL200C08	TGL200CF08	TGL200CU08										
	<b>2000</b>			TGL200C10	TGL200CF10	TGL200CU10										
<b>[V]</b>				<b>Standard</b>	<b>Fast</b>	<b>Ultrafast</b>	The parts on the left offer a 2-in-1 solution, combining a TVS diode with either a standard, fast or ultrafast rectifier in a single package.									
				<b>V<sub>BR</sub> = 200 V</b>												
<b>P<sub>tot</sub></b>		<b>1 W</b>					<b>0.7 W</b>		<b>1 W</b>		<b>1 W</b>					<b>P<sub>tot</sub></b>
<b>CLD</b>	<b>I<sub>Pnom</sub> 5</b>						CL05M6F									<b>5</b>
	<b>15</b>								CL15M35		CL15M45		CLDs = Current Limiting Diodes are constant current regulators for the short circuit protection of circuits but also for driving LEDs and sensors.		<b>15</b>	
	<b>20</b>		CL10MD						CL20M35		CL20M45				<b>20</b>	
	<b>25</b>		CL15MD												<b>25</b>	
	<b>30</b>		CL20MD												<b>30</b>	
<b>[mA]</b>		CL30MD							CL40M35		CL40M45				<b>40 [mA]</b>	
<b>P<sub>tot</sub></b>		<b>1 W</b>														<b>P<sub>tot</sub></b>
<b>Diacs</b>	<b>28...36</b>															<b>28...36 V<sub>Bo</sub></b>
	<b>30...34</b>	BR100-03LLD														<b>30...34</b>
	<b>32...36</b>	BR100-04LLD														<b>32...36</b>
	<b>35...45</b>															<b>35...45 [V]</b>
									Diacs, also called Trigger Diodes, are used to trigger Triacs or Thyristors at a defined AC mains level.							