



400 V, 600 V, and 1200 V Standard Rectifiers in SlimDPAK 2L and SMPD 2L Packages

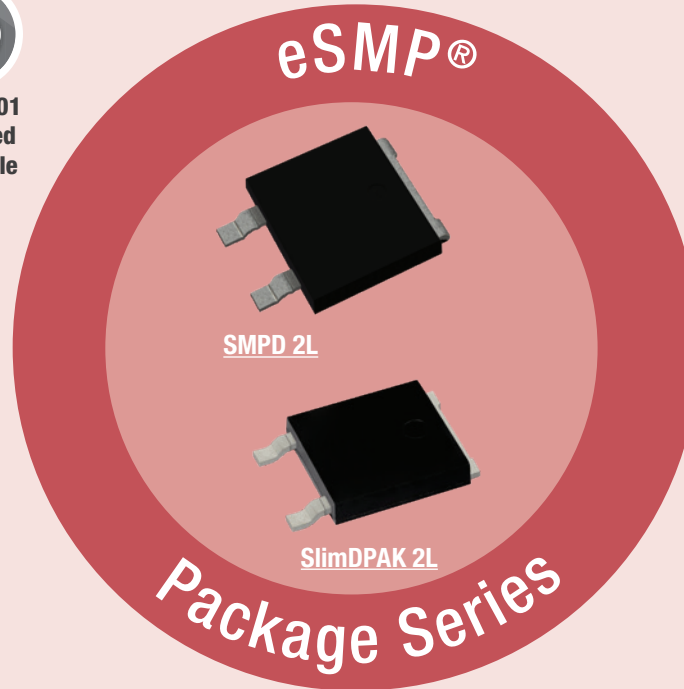


KEY FEATURES

- Very low profile - typical height:
 - 1.3 mm for SlimDPAK 2L
 - 1.7 mm for SMPD 2L
- High creepage distance for high voltage applications
 - 2.8 mm for SlimDPAK 2L
 - 3.7 mm for SMPD 2L
- Part numbers with "L" offer ultra low forward conduction, high efficiency, low power loss, and fast switching characteristics
- All others have low forward conduction, high efficiency, low power loss, and ESD capability
- Single circuit configurations



**AEC-Q101
Qualified
Available**



APPLICATIONS

General purpose, power line polarity protection in **consumer, industrial, telecom, and automotive on board charger (OBC) applications.**

600 V and 1200 V parts are recommended for EV / HEV and infrastructure.



INDUSTRIAL



CONSUMER



EV / HEV BATTERY
CHARGING STATIONS



AUTOMOTIVE



T_J max. up to 175 °C



Current ratings from 8 A to 30 A



**Reverse voltages:
400 V, 600 V, and 1200 V**

Automotive Portfolio

Part Number	Package (JEDEC®) Code	Rev. Voltage (V)	I _{F(AV)} (A)	V _F at I _F (V)	I _{FSM} (A)
SE80PWTG	SlimDPAK 2L	400	8	0.92	110
SE80PWTJ	SlimDPAK 2L	600	8	0.92	110
SE80PWTLG	SlimDPAK 2L	400	8	0.79	130
SE80PWTLJ	SlimDPAK 2L	600	8	0.79	130
SE100PWTG	SlimDPAK 2L	400	10	0.93	125
SE100PWTJ	SlimDPAK 2L	600	10	0.93	125
SE100PWTLG	SlimDPAK 2L	400	10	0.78	150
SE100PWTLJ	SlimDPAK 2L	600	10	0.78	150
SE10DTG	SMPD 2L	400	10	0.96	110
SE10DTJ	SMPD 2L	600	10	0.96	110
SE10DTLG	SMPD 2L	400	10	0.83	150

Part Number	Package (JEDEC®) Code	Rev. Voltage (V)	I _{F(AV)} (A)	V _F at I _F (V)	I _{FSM} (A)
SE10DTLJ	SMPD 2L	600	10	0.83	150
SE12DTG	SMPD 2L	400	12	0.96	125
SE12DTJ	SMPD 2L	600	12	0.96	125
SE12DTLG	SMPD 2L	400	12	0.83	165
SE12DTLJ	SMPD 2L	600	12	0.83	165
SE20DTG	SMPD 2L	400	20	1.03	150
SE20DTJ	SMPD 2L	600	20	1.03	150
SE20DTLG	SMPD 2L	400	20	0.85	200
SE20DTLJ	SMPD 2L	600	20	0.85	200
SE30DT12	SMPD 2L	1200	30	1.01	300

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