



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



AEC-Q101  
Qualified  
Available

## 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



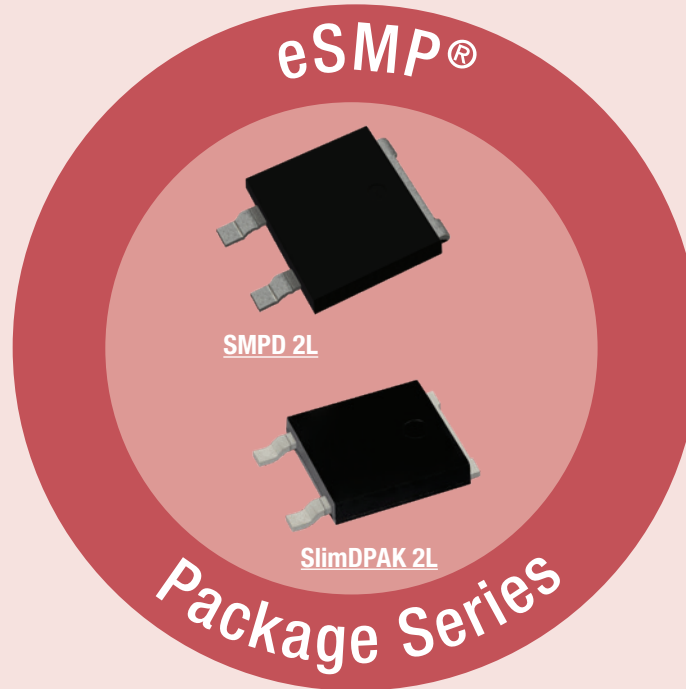
$T_j$  max. up to 175 °C



Current ratings from 8 A to 30 A



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



## 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

## Automotive Portfolio

Part Number	Package (JEDEC®) Code	Rev. Voltage (V)	$I_{F(AV)}$ (A)	$V_F$ at $I_F$ (V)	$I_{FSM}$ (A)
<a href="#">SE80PWTG</a>	SlimDPAK 2L	400	8	0.92	110
<a href="#">SE80PWTJ</a>	SlimDPAK 2L	600	8	0.92	110
<a href="#">SE80PWTLG</a>	SlimDPAK 2L	400	8	0.79	130
<a href="#">SE80PWTLJ</a>	SlimDPAK 2L	600	8	0.79	130
<a href="#">SE100PWTG</a>	SlimDPAK 2L	400	10	0.93	125
<a href="#">SE100PWTJ</a>	SlimDPAK 2L	600	10	0.93	125
<a href="#">SE100PWTLG</a>	SlimDPAK 2L	400	10	0.78	150
<a href="#">SE100PWTLJ</a>	SlimDPAK 2L	600	10	0.78	150
<a href="#">SE10DTG</a>	SMPD 2L	400	10	0.96	110
<a href="#">SE10DTJ</a>	SMPD 2L	600	10	0.96	110
<a href="#">SE10DTLG</a>	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)
<a href="#">SE10DTLJ</a>	SMPD 2L	600	10	0.83	150
<a href="#">SE12DTG</a>	SMPD 2L	400	12	0.96	125
<a href="#">SE12DTJ</a>	SMPD 2L	600	12	0.96	125
<a href="#">SE12DTLG</a>	SMPD 2L	400	12	0.83	165
<a href="#">SE12DTLJ</a>	SMPD 2L	600	12	0.83	165
<a href="#">SE20DTG</a>	SMPD 2L	400	20	1.03	150
<a href="#">SE20DTJ</a>	SMPD 2L	600	20	1.03	150
<a href="#">SE20DTLG</a>	SMPD 2L	400	20	0.85	200
<a href="#">SE20DTLJ</a>	SMPD 2L	600	20	0.85	200
<a href="#">SE30DT12</a>	SMPD 2L	1200	30	1.01	300

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