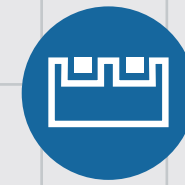


600V Low Loss Rectifiers

600V low loss rectification for power electronics systems. The current ranges are from 15A to 45A in Bridge configurations and 10 to 30A with ThinDPAK and D²PAK-D packages. The low V_F reduces conduction loss to increase efficiency and power density. TSC provides SPICE, thermal and 3D mechanical models on our website to simplify designs. Target applications range from AC/DC converters in bridge, totem pole or bridgeless topologies for mains connected power electronics such as Server power, Telecom power and Charging systems.

FEATURES



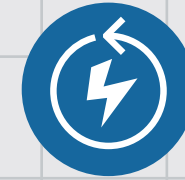
PLANAR TECHNOLOGY



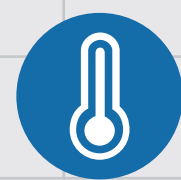
LOW POWER LOSS
HIGH EFFICIENCY



AUTOMOTIVE QUALIFIED
AEC-Q101

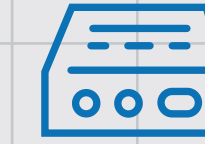


LOW LEAKAGE CURRENT

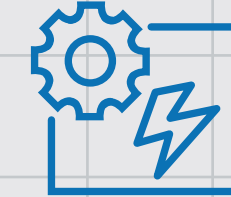


T_j max, up to
175°C

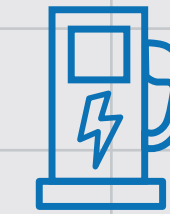
APPLICATIONS



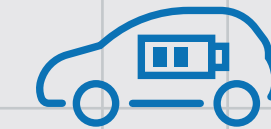
AC/DC CONVERTER



INDUSTRIAL POWER SYSTEMS



EV & CHARGING STATION



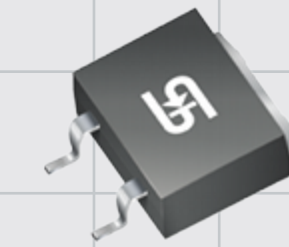
ON-BOARD CHARGER

SPECIFICATION

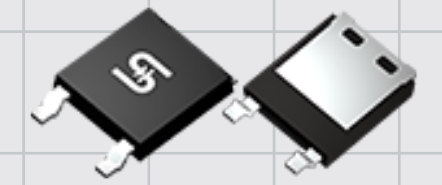
T_j Max. (°C) =175

Part number	Package	V_{RRM} (V)	I_F (A)	V_F (V) Max.	Rated I_O (A)	I_{fsm} (A)	Automotive
PLAD10JH	ThinDPAK	600	10	1.0	10	260	YES
PLDS20JH	D ² PAK-D		20	1.0	20	390	YES
PLDS30JH			30	1.0	30	450	YES
PLAD10J	ThinDPAK		10	1.0	10	260	NO
PLDS20J	D ² PAK-D		20	1.0	20	390	NO
PLDS30J			30	1.5	30	450	NO
GBUL15J	GBU		15	0.9	7.5	280	NO
GBUL25J			25	0.92	12.5	390	NO
GBJL15J	TS-6P		15	0.9	7.5	280	NO
GBJL25J			25	0.92	12.5	390	NO
GBJL45J		45	0.95	22.5	620	NO	

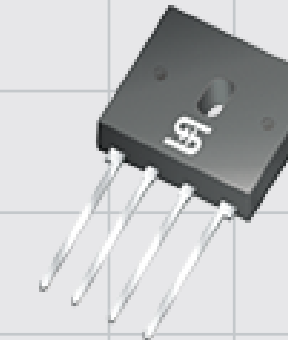
PACKAGE



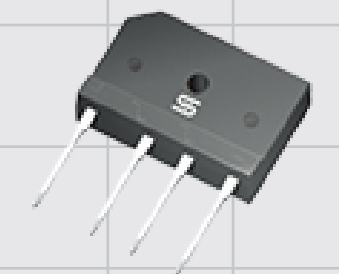
D²PAK-D



ThinDPAK



GBU



TS-6P



Official Website



X



LinkedIn

For more information: marketing@ts.com.tw

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