

Tj 175°C 150V & 200V Trench Schottky Rectifiers in TO-277A

Taiwan Semiconductor’s new AEC-Q101 qualified 150V and 200V Trench Schottky Rectifiers deliver high current capabilities (3A to 15A) and an ultra-low forward voltage down to 0.78V in a compact TO-277A (SMPC4.6U) package. Perfect for SMPS, boost PFC circuits, polarity protection, and automotive or telecom freewheeling applications, they provide the superior efficiency and reliability required for next-generation designs.



Official Website X LinkedIn

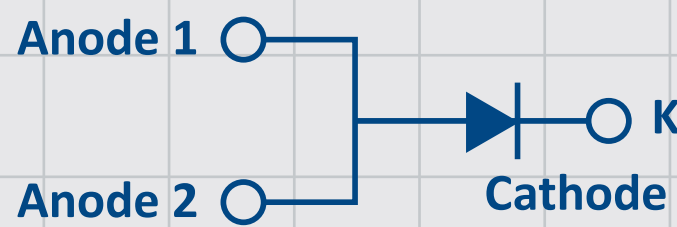
For more information: marketing@ts.com.tw

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PACKAGE



TO-277A (SMPC4.6U)



SINGLE

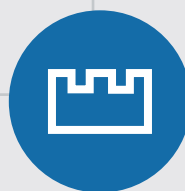
SPECIFICATION

Part number	V _R Min (V)	I _F Max (A)	V _F		I _R @T _A =25°C max.(μA)	I _R @T _A =125°C max.(mA)	I _{FSM} @8.3ms (A)	C _J (pF)
			Typ.(V)	Max.(V)				
TSUP3S150H	150	3	0.78	0.85	10	5	80	140
TSUP5S150H		5	0.78	0.85	10	5	125	248
TSUP8S150H		8	0.78	0.85	10	5	200	395
TSUP10S150H		10	0.80	0.86	10	5	200	395
TSUP12S150H		12	0.78	0.85	20	5	285	520
TSUP15S150H		15	0.76	0.82	30	6	400	840
TSUP8S200H	200	8	0.82	0.88	10	5	200	332
TSUP10S200H		10	0.85	0.90	10	5	200	332
TSUP12S200H		12	0.83	0.89	20	5	285	446
TSUP15S200H		15	0.80	0.86	30	6	400	782

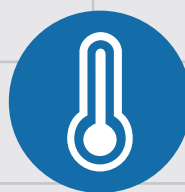
FEATURES



AUTOMOTIVE
QUALIFIED
AEC-Q101



TRENCH SCHOTTKY
TECHNOLOGY



T_j max, up to
175°C



LOW POWER LOSS
HIGH EFFICIENCY

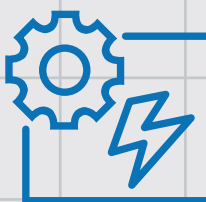
APPLICATIONS



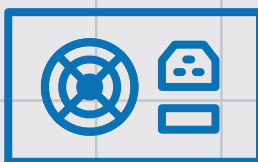
DC/DC
CONVERTER



AUTOMOTIVE



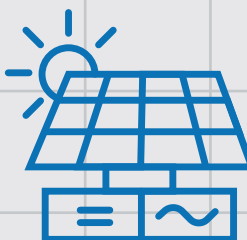
INDUSTRIAL
POWER
SUPPLY UNITS



SWITCH MODE
POWER SUPPLY



LIGHTING



POWER
INVERTER



TAIWAN
SEMICONDUCTOR

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