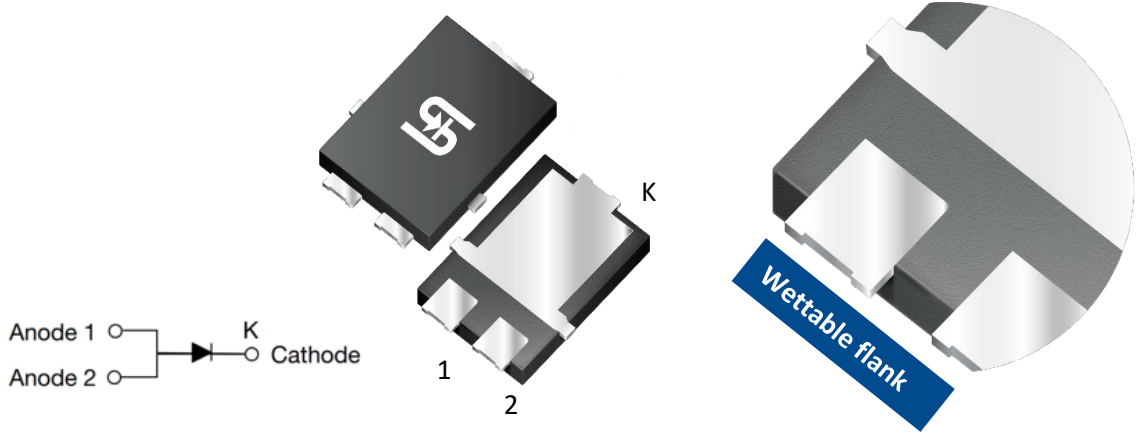




Automotive qualified, T_j 175°C 100V & 120V Trench Schottky Surface Mount Rectifier

TO-277A (SMPC4.6U)



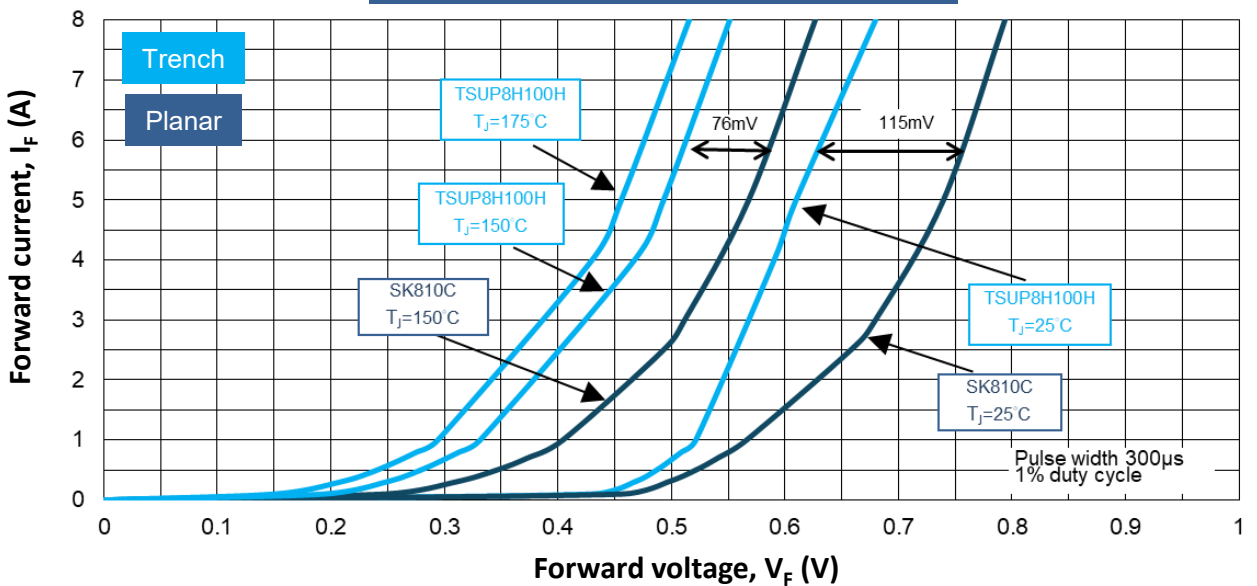
Key Features

- AEC-Q101 qualified
- Max. junction temperature 175°C
- Low power loss, high efficiency
- MSL 1
- RoHS Compliant
- Halogen-Free

Applications

- Switching Mode Power Supply (SMPS)
- Adapters
- Lighting application
- Low-voltage DC-DC converter

Trench & Planar Schottky V_F comparison





Product Portfolio

Part Number	Package	V _{RRM} (V)	I _F (A)	V _F @ T _A = 25°C		I _R @T _A = 25°C max. (μA)	I _R @T _A = 175°C max. (mA)	I _{FSM} @ 8.3ms (A)	Q _C Typ (nC)
				Typ. (V)	Max. (V)				
TSUP8H100H	TO-277A (SMPC4.6U)	100	8	0.71	0.75	50	10	240	583
TSUP10H100H			10	0.71	0.75	50	10	320	732
TSUP12H100H			12	0.70	0.75	50	10	360	883
TSUP15H100H			15	0.72	0.75	50	10	400	1014
TSUP8H120H		120	8	0.73	0.76	50	10	240	462
TSUP10H120H			10	0.73	0.76	50	10	320	615
TSUP12H120H			12	0.72	0.76	50	10	360	744
TSUP15H120H			15	0.72	0.76	50	10	400	832

Ordering Information

Ordering Part Number	Package	Reel (pcs)	Reel Size (inch)	Inner Box (pcs)	Carton (pcs)	Carton Size (mm)	Gross Weight (kg/ carton)
TSUP8H100H	TO-277A (SMPC4.6U)	6,000	13	12,000	60,000	390 * 356 * 230	13.11
TSUP10H100H							
TSUP12H100H							
TSUP15H100H							
TSUP8H120H							
TSUP10H120H							
TSUP12H120H							
TSUP15H120H							

For more information or other products, please visit TSC website <https://www.taiwansemi.com/>