

# Taiwan Semi Introduces AEC-Q Qualified 1200V SiC Schottky Rectifiers in SOD-128 Packages

*Low thermo-mechanical stress, low capacitance, high max forward surge current, low forward voltage and smaller peak reverse current in space-saving package*

BREA, CA, UNITED STATES, March 25, 2026 /EINPresswire.com/ -- Taiwan Semiconductor, global supplier of discrete power electronics devices, LED drivers, analog ICs, TVS, and ESD protection, adds to its growing series of automotive-grade, 1200V-rated SiC Schottky diodes with 1A and 2A models. The 1200V diodes offer exceptional performance in the industry's only SOD-128 packages.



Applications benefiting from the reduced size and performance provided by these new, high-voltage, low-current, very fast, low-loss diodes include auxiliary power supplies, bias rectification, bootstrapping circuits, gate driver bias supply, snubbers, bleeder clamp paths, PFC boost diode in low-power designs, and secondary rectification in high-frequency flybacks.

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*Sam Wang*

Part no	Package	IR (µA)	VRRM(V)	IF (A)	VF
Max (V)	IFSM (A)	Tj Max(°C)	Automotive		
TSCDFS01120G2H	SOD-128	3	1200	1	
1.5	256	175	Yes		
TSCDFS02120G2H	SOD-128	4	1200	2	
1.5	464	175	Yes		

“Our new 1A/2A automotive-grade 1,200V, SOD-128 packaged SiC diodes enable designers to reduce board

space in an assortment of applications,” said Sam Wang, vice president, TSC Products. “Their AEC-Q qualification underscores their reliability in both automotive as well as any application where reliability is critical.”

All products in the SiC Schottky series are available with PPAP certification. Click on this link for

more information (datasheet, SPICE models, etc.)

Available Now: Samples: In-stock

Lead Time: Production Quantities: 16 weeks (ARO)

Design resources include comprehensive datasheets, spice models, Foster and Cauer thermal models and CAD files (symbol, footprint, 3D model).

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