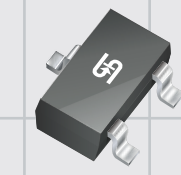


Automotive AEC-Q101 Qualified Small-Signal Product

Taiwan Semiconductor are releasing the AEC-Q101 qualified small-signal product, including Schottky diodes, Switching diodes, Zener diodes, and Bipolar transistors. Small signal diodes are widely used in automotive electronics for their fast switching, and compact size. They provide reverse polarity protection, enable efficient signal switching, and help with voltage regulation in sensitive systems like ADAS and infotainment. Their low forward voltage drop and suitability for high-performance automotive applications.

Schottky Diodes

V_R (V)	30~40
I_F (mA)	100~350
V_F Max. (V)	0.45~1



SOT-23



SOT-323



SOD-123



SOD-323

Switching Diodes

V_{RRM} (V)	100~-250
I_F (mA)	150~225



SOT-23



SOT-323



SOD-123



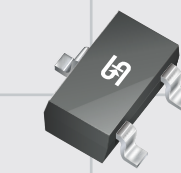
SOD-323



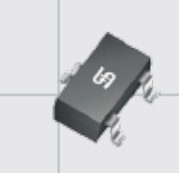
SOD-523F

Bipolar Transistors

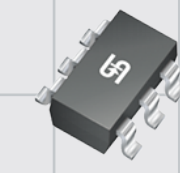
NPN	V_{CBO} (V)	50~80
	I_C (mA)	100~600
PNP	V_{CBO} (V)	-40~-80
	I_C (mA)	-100~-600



SOT-23



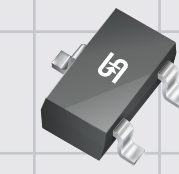
SOT-323



SOT-363

Zener Diodes

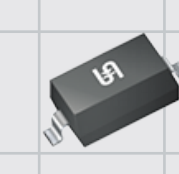
Tolerance	2% & 5%
P_D (mW)	200~550



SOT-23



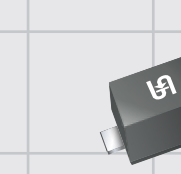
SOD-123



SOD-323



SOD-323F

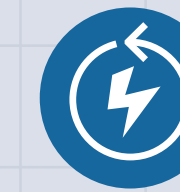


SOD-523F

— FEATURES —



HIGH-SPEED SWITCHING



LOW LEAKAGE CURRENT



MANUFACTURED IN
IATF 16949
CERTIFIED FACILITIES



AUTOMOTIVE QUALIFIED
AEC-Q101

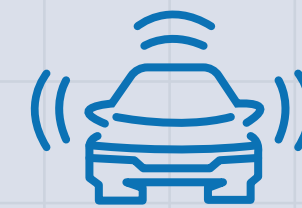
— APPLICATIONS —



AUTOMOTIVE



IN VEHICLE INFOTAINMENT



ADAS SYSTEM



SWITCHING CIRCUITS



Scan QR code for specification



Official Website



X



LinkedIn

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