



Industrial & Automotive Qualified 400V & 600V ESD Capability Rectifiers

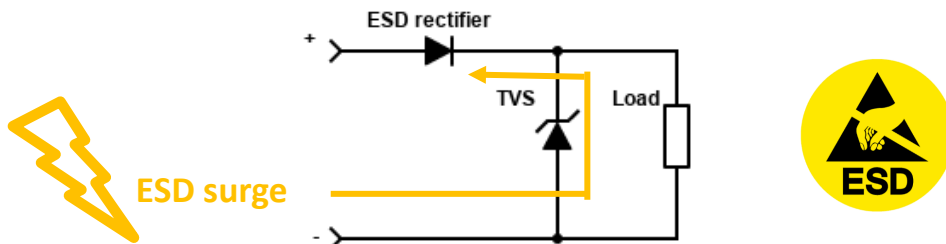
Taiwan Semiconductor (TSC), a global supplier of discrete power electronics devices, LED drivers, analog ICs and ESD protection devices, announces an additional 400V & 600V ESD capability rectifiers to the portfolio. These devices meet the need for polarity protection plus ESD survival and protection.

Key Benefits

- Enhance ESD capability >10KV per IEC-61000-4-2
- Operating temperature range from -40°C to 175°C for high reliability.
- Both Automotive AEC-Q and Industrial grades available.

Applications

- General purpose diode
- Polarity protection diode
- Rectification DC-440 Hz



Product Portfolio

Part Number	$V_{RRM}(V)$	$I_F(A)$	$V_F(V)$	IEC-61000-4-2 Contact Mode	$T_J(°C)$	Package	AEC-Q
TSD1GLW	400	1	1.1	>10KV	175	SOD-123W	No
TSD1GLWH	400	1	1.1	>10KV	175	SOD-123W	Yes
TSD2GFS	400	2	1.1	>10KV	175	SOD-128	No
TSD2GFSH	400	2	1.1	>10KV	175	SOD-128	Yes



Part Number	$V_{RRM}(V)$	$I_F(A)$	$V_F(V)$	IEC-61000-4-2 Contact Mode	$T_J(^{\circ}C)$	Package	AEC-Q
TSD2GAL	400	2	1.1	>10KV	175	ThinSMA	No
TSD2GALH	400	2	1.1	>10KV	175	ThinSMA	Yes
TSD3GFS	400	3	1.1	>10KV	175	SOD-128	No
TSD3GFSH	400	3	1.1	>10KV	175	SOD-128	Yes
TSD3GAL	400	3	1.1	>10KV	175	ThinSMA	No
TSD3GALH	400	3	1.1	>10KV	175	ThinSMA	Yes
TSD1JLW	600	1	1.1	>10KV	175	SOD-123W	No
TSD1JLWH	600	1	1.1	>10KV	175	SOD-123W	Yes
TSD2JFS	600	2	1.1	>10KV	175	SOD-128	No
TSD2JFSH	600	2	1.1	>10KV	175	SOD-128	Yes
TSD2JAL	600	2	1.1	>10KV	175	ThinSMA	No
TSD2JALH	600	2	1.1	>10KV	175	ThinSMA	Yes
TSD3JFS	600	3	1.1	>10KV	175	SOD-128	No
TSD3JFSH	600	3	1.1	>10KV	175	SOD-128	Yes
TSD3JAL	600	3	1.1	>10KV	175	ThinSMA	No
TSD3JALH	600	3	1.1	>10KV	175	ThinSMA	Yes

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