

1200V-1600V

High Efficient Surface Mount Rectifier

1200V-1600V High Efficiency rectifiers for various power systems and offer the AEC-Q101 automotive grade options. The parts are targeted for bootstrap and de-saturate applications for IGBT or MOSFET gate drivers in high voltage battery systems of EV's. Additional applications include alternative energy systems, metering, lighting and rectification in HV power systems.



Official Website



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LinkedIn

For more information: marketing@ts.com.tw

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FEATURES



GLASS PASSIVATED
CHIP JUNCTION



LOW POWER LOSS
HIGH EFFICIENCY

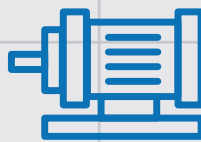


AUTOMOTIVE
QUALIFIED
AEC-Q101

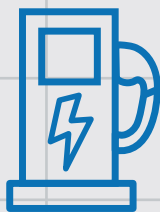
APPLICATIONS



AUTOMOTIVE



HIGH VOLTAGE
MOTOR

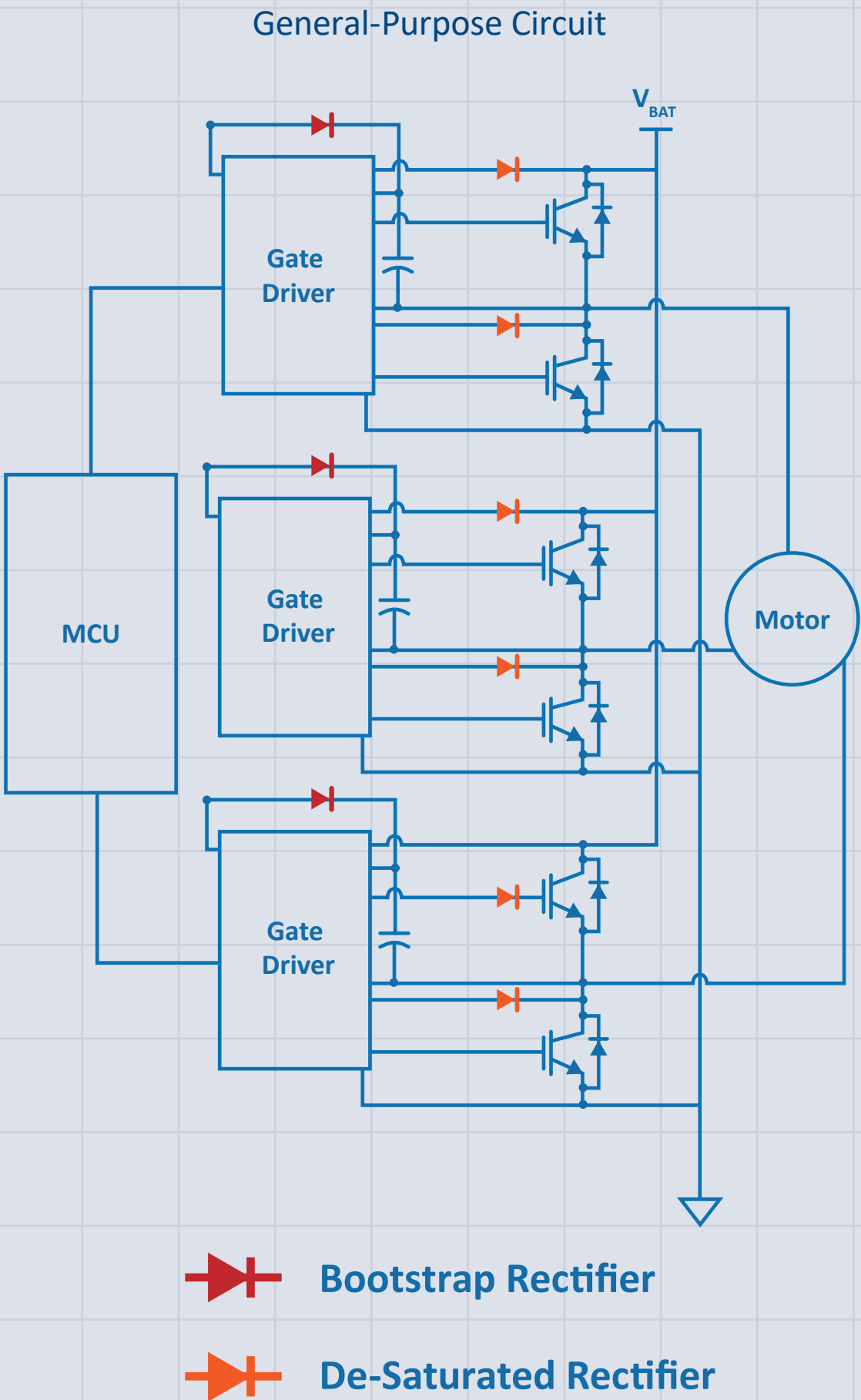


BATTERY
CHARGING
STATION

SPECIFICATION

*ACE-Q101 Qualified

Part number	Package	V_{RRM} (V)	I_F (A)	V_F Max. (V)	t_{rr} Max.	I_{Fsm} (A)	T_J Max. (°C)
HS1Q		1200	1	1.9	75	35	175
HS1QH*	SMA						
HS1QB							
HS1QBH*	SMB						
HS1QFS							
HS1QFSH*	SOD-128						
HS1QAL		1600		3.6		30	150
HS1QALH*	Thin SMA						
HS1Y							
HS1YH*	SMA						
HS1YB							
HS1YBH*	SMB						



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