

GE Type	V _{RRM} Repetitive PK Off-State Voltage (T _C = 100°C to 40)	I _{gt} DC Gate Trigger Current @ 12V, 25°C Max. (mA)				V _{gt} DC Gate Trigger Voltage @ 12V, 25°C Max. (V)				dv/dt Static @ 100°C Rated V _{gt} Gate Open Typical (V/μsec)	dv/dt Commutating @ 75°C Rated V _{gt} and I _{gt} Gate Open Min (V/μsec)	I _l Leakage Current @ 25°C Max. (mA)	I _{SM} Surge @ 60 Hz Current Due Cycle Non-repetitive Max (A)	Package Type	Package Outline No.																	
		MT ₂ + Gate +	+	—	—	MT ₂ + Gate +	+	—	—																							
Standard																																
																	SC46B	200	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Press Fit	241
																	SC45B	200	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Stud	242
																	SC45B2	200	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Isolated Stud	243
																	SC146B	200	50	50	100	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	80	POWER PAC⁴	173.1
																	SC46D	400	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Press Fit	241
																	SC45D	400	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Stud	242
																	SC45D2	400	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Isolated Stud	243
																	SC146D	400	50	50	100	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	80	POWER PAC⁴	173.1
																	SC46E	500	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Press Fit	241
SC45E	500	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Stud	242																	
SC45E2	500	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ²	0.5	100	Isolated Stud	243																	
Zero Voltage Switch																																
																	SC46B12	200	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Press Fit	241
																	SC45B12	200	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Stud	242
																	SC45B22	200	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Isolated Stud	243
																	SC46D12	400	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Press Fit	241
																	SC45D12	400	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Stud	242
																	SC45D22	400	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Isolated Stud	243
																	SC46E12	500	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Press Fit	241
																	SC45E12	500	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Stud	242
SC45E22	500	—	30 ¹	30 ¹	—	—	2.0 ¹	2.0 ¹	—	20	2.0 ²	0.5	100	Isolated Stud	243																	
Selected Gate																																
																	SC46B13	200	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Press Fit	241
																	SC45B13	200	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Stud	242
																	SC45B23	200	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Isolated Stud	243
																	SC46D13	400	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Press Fit	241
																	SC45D13	400	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Stud	242
																	SC45D23	400	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Isolated Stud	243
																	SC46E13	500	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Press Fit	241
																	SC45E13	500	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Stud	242
SC45E23	500	25	25	25	25	2.0	2.0	2.0	2.0	20	2.0 ²	0.5	100	Isolated Stud	243																	
400 Hz Operation																																
																	SC46B14	200	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Press Fit	241
																	SC45B14	200	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Stud	242
																	SC45B24	200	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Isolated Stud	243
																	SC46D14	400	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Press Fit	241
																	SC45D14	400	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Stud	242
																	SC45D24	400	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Isolated Stud	243
																	SC46E14	500	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Press Fit	241
																	SC45E14	500	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Stud	242
SC45E24	500	50	50	50	—	2.5	2.5	2.5	—	20	2.0 ³	0.5	187 @ 400Hz	Isolated Stud	243																	

¹ Pulse Conditions V_D = 3V, Gate Pulse Width = 50 μsec
² Commutating di/dt = 5.4 A/msec
³ Commutating di/dt = 36 A/msec
⁴ See Specification Sheet No. 175.15 for Power Pac Devices

See Trigger Selector Guide page 54.

