



Discrete Power MOSFET

N Channel 55V/60V/400V/500V/600V/...

■ 900/800/650V N Channel MOSFET

AP Part No.	VDSS (V)	ID (A)	Rds(on) Typical (Ω)	EAS (mJ)	Ciss (pF)	Qg Typical (nC)	Package
apQ09SN90AD	900	9	1.05	900	2200	45	TO-247
apQ03SN80A	800	3	3.6	320	550	14	TO-220
apQ03SN80AF	800	3	3.6	320	550	14	TO-220F
apQ03SN80AE	800	3	3.6	320	550	14	TO-263
apQ4ESN65A	650	4.5	2.4	210	490	14	TO-220
apQ4ESN65AF	650	4.5	2.4	210	490	14	TO-220F
apQ06SN65A	650	6	1.2	225	625	22	TO-220
apQ06SN65AF	650	6	1.2	225	625	22	TO-220F

Application For

Switch Power

Automotive

UPS

Lighting

E-Bike

E-Tool

...





Discrete Power MOSFET

N Channel 55V/60V/400V/500V/600V/...

600V N Channel MOSFET

AP Part No.	VDSS (V)	ID (A)	Rds(on) Typical (Ω)	EAS (mJ)	Ciss (pF)	Qg Typical (nC)	Package
apQ0CSN60AJ	600	0.35	11	11	125	4.7	TO-92
apQ0DSN60AJ	600	0.4	8	33	115	4.5	TO-92
apQ01SN60AA	600	1	7.9	8.71	120	5.38	TO-251
apQ01SN60AB	600	1	7.9	8.71	120	5.38	TO-252
apQ02SN60A	600	2	3.8	120	348	8.5	TO-220
apQ02SN60AF	600	2	3.8	120	348	8.5	TO-220F
apQ02SN60AA	600	2	3.8	13.3	348	8.5	TO-251
apQ02SN60AB	600	2	3.8	13.3	348	8.5	TO-252
apQ03SN60A	600	3	3.4	200	352	9.7	TO-220
apQ03SN60AF	600	3	3.4	200	352	9.7	TO-220F
apQ03SN60AA	600	3	3.4	200	352	9.7	TO-251
apQ03SN60AB	600	3	3.4	200	352	9.7	TO-252
apQ04SN60A	600	4	1.72	240	715	19	TO-220
apQ04SN60AF	600	4	1.72	240	715	19	TO-220F
apQ04SN60C	600	4	1.9	260	575	16	TO-220
apQ04SN60CF	600	4	1.9	260	575	16	TO-220F
apQ04SN60CA	600	4	1.9	260	575	16	TO-251
apQ04SN60CB	600	4	1.9	260	575	16	TO-252
apQ4ESN60A	600	4.5	2	210	510	14	TO-220
apQ4ESN60AF	600	4.5	2	210	510	14	TO-220F
apQ05SN60A	600	5	1.5	220	550	16	TO-220
apQ05SN60AF	600	5	1.5	220	550	16	TO-220F
apQ06SN60A	600	6	1	300	625	16	TO-220
apQ06SN60AF	600	6	1	300	625	16	TO-220F
apQ07SN60A	600	7	0.9	267	1020	31.3	TO-220
apQ07SN60AF	600	7	0.9	267	1020	31.3	TO-220F
apQ10SN60A	600	10	0.6	700	2245	39.4	TO-220
apQ10SN60AF	600	10	0.6	700	2245	39.4	TO-220F
apQ12SN60A	600	12	0.52	870	1755	50	TO-220
apQ12SN60AF	600	12	0.52	870	1755	50	TO-220F



Discrete Power MOSFET

N Channel 55V/60V/400V/500V/600V/...

■ 500/400/200/100/60/55V N Channel MOSFET

AP Part No.	VDSS (V)	ID (A)	Rds(on) Typical (Ω)	EAS (mJ)	Ciss (pF)	Qg Typical (nC)	Package
apQ4ESN50A	500	4.5	1.2	280	610	26	TO-220
apQ4ESN50AE	500	4.5	1.2	280	610	26	TO-263
apQ4ESN50AF	500	4.5	1.2	280	610	26	TO-220F
apQ4ESN50AB	500	4.5	1.2	280	610	26	TO-252
apQ08SN50B	500	8	0.72	320	1300	41	TO-220
apQ08SN50BE	500	8	0.72	320	1300	41	TO-263
apQ08SN50BF	500	8	0.72	320	1300	41	TO-220F
apQ09SN50A	500	9	0.6	360	795	30	TO-220
apQ09SN50AF	500	9	0.6	360	795	30	TO-220F
apQ13SN50A	500	13	0.39	860	1580	43	TO-220
apQ13SN50AF	500	13	0.39	860	1580	43	TO-220F
apQ5ESN40A	400	5.5	0.85	290	700	25	TO-220
apQ5ESN40AF	400	5.5	0.85	290	700	25	TO-220F
apQ7DSN40A	400	7.4	0.63	375	650	17.1	TO-220
apQ7DSN40AF	400	7.4	0.63	375	650	17.1	TO-220F
apQ10SN40A	400	10	0.49	520	1400	41	TO-220
apQ10SN40AF	400	10	0.49	520	1400	41	TO-220F
apQ11BSN40A	400	11.2	0.3	520	1110	27	TO-220
apQ11BSN40AF	400	11.2	0.3	520	1110	27	TO-220F
apQ9ESN20AB	200	9.5	0.34	210	400	20	TO-252
apQ9ESN20A	200	9.5	0.34	210	400	20	TO-220
apQ9ESN20AF	200	9.5	0.34	210	400	20	TO-220F
apQ57SN10B	100	57	0.018	1320	2480	83	TO-220
apQ50SN06A	60	50	0.019	490	1413	25.7	TO-220
apQ50SN06AD	60	50	0.019	490	1413	25.7	TO-247
apQ65SN06A	60	65	0.013	650	2003	36.1	TO-220
apQ65SN06AD	60	65	0.013	650	2003	36.1	TO-247
apQ84SN06A	60	84	0.012	320	3200	65.3	TO-220
apQ84SN06AD	60	84	0.012	320	3200	65.3	TO-247
apQ110SN5EA	55	110	0.006	264	5340	79.2	TO-220
apQ110SN5EAD	55	110	0.006	480	1413	25.7	TO-247