

POWER MOSFET SELECTION GUIDES

TO-220 (P), TO-263 (S) (D²PAK) equivalent to SOT78, SOT404

Part Number	BV _{DSS} (V)	V _{GS} (V)	R _{DS(ON)} max. (mΩ)			Gate Charge(nC)			Switch Time		Ciss (pF)	I _D (A)	P _D (W)
			V _{GS} =10V	V _{GS} =4.5V	V _{GS} =2.5V	Qg	Qgs	Qgd	Tr	Tf			

N-channel

AP3711GP/S	20V	20V	6	7.3			18/29	4.6	8	65	4.6	2100/3360	80	79
AP3715GP/S	20V	20V	11	15.5			6.6/10	2.8	2.6	65	4.6	800/1280	49	40
AP92T03GP/S	25V	20V	4	5.2			45/72	6	26	63	7	3500/5600	80	89
AP40N03P/S	30V	20V	17	23			17	3	10	60	10	800	40	50
AP40T03GP/S	30V	25V	25	45			8.8	2.5	5.8	62	4.4	655	28	31.3
AP60T03GP	30V	20V	12	25			11.6	3.9	7	57.5	6.4	1135	45	44
AP70T03GP/S	30V	20V	9	18			16.5	5	10.3	105	8.5	1485	60	53
AP85T03GP/S	30V	20V	6	10			33	7.5	24	77	67	2700	75	107
AP90T03P/S	30V	20V	4	6			60	8.5	38	83	420	4090	75	96
AP9468GP/S	40V	20V	7	9			36/58	4	20	62	16	2235/3580	80	89
AP9973GP/S	60V	20V	80	100			8	3	4	15	3	720	14	27
AP9971GP/S	60V	20V	36	50			18	6	11	24	7	1700	25	39
AP9972GP/S	60V	25V	18	22			32	8	20	58	80	3170	60	89
AP9974GP/S	60V	20V	12	15			43	8	31	48	67	3180	72	104
AP95T06GP/S	60V	25V	8.5	12			72	16	53	76	109	5700	75	138
AP75N07GP/S	75V	20V	11				83	10	51	73	200	4270	80	156
AP95T07GP/S	75V	20V	5				83/133	28	33	151	165	4400/7040	80	300
AP85T08GP/S	80V	20V	13	18			63	23	38	100	173	6300	75	138
AP95T08GP	80V	20V	7				93/150	26	42	96	65	4450/7120	80	300
AP75T10P/S	100V	20V	15	21			63/101	9	30	74	104	2800/4480	72	138
AP85T10GP	100V	20V	11				90/145	24	40	76	53	4450/7120	80	300
AP25N10GP/S	100V	20V	80				19	5	6	28	2	1060	23	96
AP630P	200V	20V	400				25	43	7	23	20	800	9	74
AP18N20GP/S	200V	20V	170				19	5	6	21	19	1065	18	89
AP730P	400V	20V	1000				38	5.7	22	15	14	700	5.5	74
IRF830P	500V	20V	1500				38	5	22	16	42	610	4.5	74
IRF840P	500V	20V	850				45/72	7	25	31	33	1250/2000	8	125
AP05N50P	500V	20V	1400				19/30	4.6	6.3	8	10	985/1580	5	73.5
AP4002P/S	500V	30V	5000				12/19	2	5.5	12	19	375/600	2	20
AP01N60P	600V	30V	8000				7.7	1.5	2.6	5	7	286	1.6	39
AP02N60P	600V	30V	8000				14/20	2	8.5	12	9	155/240	2	39
AP10N70P/S	600V	30V	600				35.9/57	8.3	11.5	19.7	23.3	1950/3120	10	174
AP03N70P-A	650V	30V	3600				12/20	3	5	5	6	600/960	3.3	54
AP04N70BP-A	650V	30V	2400				16.7	4.1	4.9	8.3	8.2	950/---	4	62.5
AP2761P-A	650V	30V	1000				53/85	10	15	20	36	2770/4430	10	104
AP10N70P-A	650V	30V	600				35.9/57	8.3	11.5	19.7	23.3	1950/3120	10	174
AP07N70CP-A	675V	30V	1200				32	8.6	9	15	18	2075	7	89
AP09N70P-A	675V	30V	750				44	11	12	21	24	2660	9	156
AP03N70P-H	700V	30V	4400				12/20	3	4	6	8	590/950	3.3	54
AP09N70P-H	700V	30V	800				44	11	12	21	24	2660	9	156
AP02N90P	900V	30V	7200				12/20	4	2	5	9	630/1000	1.9	62.5

P-channel

AP9435GP/S	-30V	20V	50	90			10/16	3	5	18	14	463/740	-20	31
AP4407GP/S	-30V	25V	14	23			35/60	5	26	64	100	2120/3390	-50	54
AP6679GP/S	-30V	25V	9	15			42/67	6	25	35	78	2870/4590	-75	89
AP9578GP/S	-60V	25V	160	200			10/16	2	4	13	29	760/1220	-10	28
AP9575GP/S	-60V	25V	70	90			21/34	5	11	18	42	1760/2800	-16	36
AP15P10GP/S	-100V	20V	230				37/60	5	15	25	36	1180/1900	-15	96
AP13P15GP/S	-150V	20V	300				38/60	5	15	21	36	1210/1940	-13	96
AP9120GP/S	-200V	20V	680				20/32	5	13	14	28	1210	-8	96