

ON SEMICONDUCTOR MOSFETS

ON Semiconductor®



RoHS Compliant This page of product is RoHS compliant.

N-CHANNEL AND P-CHANNEL POWER MOSFETS

◆ Surface Mount Device

MOSFETS

ON Semiconductor

N-Channel

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V _{(BR)DSS} (Max.) (V)	RDS(on)(Max.)(mΩ) @				P _D (Max.) (W)	I _D (Max.) (A)	Price Each		
				VGS=10V	VGS=4.5V	VGS=2.5V	VGS=1.8V			1	10	100
◆ 863-MMBF0201NLT1G	MMBF0201NLT1G	SOT-23	20	1000	1400	-	-	0.225	0.3	.43	.307	.141
◆ 863-MMBF2201NT1G	MMBF2201NT1G	SC-70	20	1000	1400	-	-	0.15	0.3	.44	.312	.143
◆ 863-MGSF1N02LT1G	MGSF1N02LT1G	SOT-23	20	90	130	-	-	0.4	0.75	.44	.336	.182
◆ 863-NTK3134NT1G	NTK3134NT1G	SOT-723	20	-	200	260	430	0.55	0.89	.37	.261	.12
◆ 863-MGSF2N02ELT1G	MGSF2N02ELT1G	SOT-23	20	-	85	115	-	1.25	2.8	.43	.328	.178
◆ 863-NTGS3446T1G	NTGS3446T1G	TSOP-6	20	-	45	55	-	2	5.1	.49	.376	.204
◆ 863-NTHS5404T1G	NTHS5404T1G	ChipFET	20	-	30	45	-	1.3	7.2	.65	.487	.306
◆ 863-ECH8695R-TL-W	ECH8695R-TL-W	ECH-8	24	-	9.1	13.3	-	1.4	11	.52	.433	.264
◆ 863-NTMFS4C05NT1G	NTMFS4C05NT1G	SO-8FL	30	3.4	5	-	-	33	78	.57	.477	.308
◆ 863-NTMFS4C06NT1G	NTMFS4C06NT1G	SO-8FL	30	4	6	-	-	30.5	69	.71	.553	.357
◆ 863-NTMFS4C09NT1G	NTMFS4C09NT1G	SO-8FL	30	5.8	8.5	-	-	25.5	52	.51	.382	.24
◆ 863-NTMFS4C10NT1G	NTMFS4C10NT1G	SO-8FL	30	6.95	10.8	-	-	23.6	46	.42	.355	.217
◆ 863-NTR4003NT1G	NTR4003NT1G	SOT-23	30	-	-	1500	-	0.83	0.56	.26	.181	.075
◆ 863-MCH6661-TL-W	MCH6661-TL-W	SOT-363	30	188	343	-	-	0.8	1.8	.57	.382	.213
◆ 863-NTR4503NT1G	NTR4503NT1G	SOT-23	30	110	140	-	-	0.73	2	.53	.312	.148
◆ 863-NTR4170NT1G	NTR4170NT1G	SOT-23	30	55	70	110	-	0.78	3.2	.41	.275	.153
◆ 863-NTGS4141NT1G	NTGS4141NT1G	TSOP-6	30	21.5	30	-	-	1	7	.43	.331	.18
◆ 863-NTLJS4114NT1G	NTLJS4114NT1G	WDFN-6	30	-	35	45	55	3.3	7.8	.60	.465	.30
◆ 863-NTMS4801NR2G	NTMS4801NR2G	SOIC-8N	30	9	12.5	-	-	2.1	12	.58	.484	.312
◆ 863-NTD4909NT4G	NTD4909NT4G	DPAK	30	8	12	-	-	1.37	12.1	.50	.422	.257
◆ 863-NTMFS4936NT1G	NTMFS4936NT1G	SO-8	30	3.8	4.8	-	-	43	19.5	.65	.54	.329
◆ 863-NTD20N03L27T4G	NTD20N03L27T4G	TO-252	30	-	-	-	-	74	20	.88	.736	.475
◆ 863-NTMFS4841NHT1G	NTMFS4841NHT1G	SO-8 FL	30	7	11.4	-	-	5.7	21.8	.72	.606	.391
◆ 863-NTMFS4935NT1G	NTMFS4935NT1G	SO-8	30	3.2	4.2	-	-	2.63	21.8	.60	.47	.303
◆ 863-NVTFS4823NTAG	NVTFS4823NTAG	WDFN-8	30	10.5	17.5	-	-	3.1	30	.98	.762	.491
◆ 863-NTMFS4845NT1G	NTMFS4845NT1G	SO-8 FL	30	2.9	4.4	-	-	5.95	35.5	1.04	.887	.681
◆ 863-NTMFS4941NT1G	NTMFS4941NT1G	SO-8FL	30	6.2	9	-	-	25.5	47	.61	.511	.33
◆ 863-NTTFS4824NTAG	NTTFS4824NTAG	WDFN-8	30	5	7.5	-	-	4.1	69	.78	.651	.42
◆ 863-NTMFS4934NT1G	NTMFS4934NT1G	SO-8FL	30	2	3	-	-	69.4	147	1.75	1.49	1.19
◆ 863-NTD4858NT4G	NTD4858NT4G	DPAK	35	6.2	9.3	-	-	2	14	.56	.472	.305
◆ 863-NTMFS5832NLT1G	NTMFS5832NLT1G	SO-8 FL	40	4.2	6.5	-	-	3.1	20	.77	.642	.414
◆ 863-BSS138LT1G	BSS138LT1G	SOT-23	50	-	-	-	-	0.225	0.2	.24	.162	.068
◆ 863-MMBF170LT1G	MMBF170LT1G	SOT-23	60	5000	-	-	-	0.225	0.5	.30	.205	.085
◆ 863-NTR5198NLT1G	NTR5198NLT1G	SOT-23	60	155	205	-	-	1.5	2.2	.37	.264	.121
◆ 863-NTF3055-100T1G	NTF3055-100T1G	SOT-223	60	110	-	-	-	2.1	3	.72	.54	.339
◆ 863-NTF3055L108T1G	NTF3055L108T1G	SOT-223	60	-	-	-	-	2.1	3	.69	.519	.326
◆ 863-NTD3055-094T4G	NTD3055-094T4G	TO-252	60	94	-	-	-	48	12	.62	.519	.316
◆ 863-NTD3055L104T4G	NTD3055L104T4G	TO-252	60	-	-	-	-	48	12	.62	.519	.316
◆ 863-NTD5865NLT4G	NTD5865NLT4G	TO-252	60	16	19	-	-	40	40	.62	.517	.334
◆ 863-NTB45N06T4G	NTB45N06T4G	TO-263	60	26	-	-	-	125	45	1.60	1.28	.989
◆ 863-NTB60N06T4G	NTB60N06T4G	TO-263	60	14	-	-	-	150	60	2.06	1.75	1.40
◆ 863-NTMFS5C646NLT1G	NTMFS5C646NLT1G	SO-8FL	60	4.7	6.3	-	-	66	89	1.37	1.16	.898
◆ 863-NTMFS5C604NLT1G	NTMFS5C604NLT1G	SO-8FL	60	1.2	1.7	-	-	167	276	3.80	3.23	2.80
◆ 863-BSS123LT1G	BSS123LT1G	SOT-23	100	6000	-	-	-	0.225	0.17	.26	.17	.071
◆ 863-NTMFS6B03NT1G	NTMFS6B03NT1G	SO-8FL	100	4.8	-	-	-	165	132	6.60	5.61	4.86
◆ 863-NTMFS6B05NT1G	NTMFS6B05NT1G	SO-8FL	100	8	-	-	-	138	104	5.16	4.15	3.78
◆ 863-NTMFS6B14NT1G	NTMFS6B14NT1G	SO-8FL	100	15	-	-	-	77	50	2.65	2.13	1.71
◆ 863-NDDP010N25AZ-1H	NDDP010N25AZ-1H	IPAK-3	250	420	-	-	-	52	10	.86	.67	.432
◆ 863-PCP1402-TD-H	PCP1402-TD-H	SC-62-3	250	2400	-	-	-	3.5	1.2	.80	.62	.40
◆ 863-NDD02N60Z-1G	NDD02N60Z-1G	IPAK	600	4800	-	-	-	57	2.2	.61	.508	.328
◆ 863-NDD03N60ZT4G	NDD03N60ZT4G	TO-252	600	3600	-	-	-	61	2.6	.72	.606	.391
◆ 863-NDD04N60Z-1G	NDD04N60Z-1G	IPAK	600	2000	-	-	-	83	4.1	.82	.688	.444
◆ 863-NDFPD1N150CG	NDFPD1N150CG	TO-220F-3FS	1500	15000	-	-	-	2	0.1	1.73	1.47	1.18
◆ 863-NDFP03N150CG	NDFP03N150CG	TO-220F-3FS	1500	10500	-	-	-	2	2.5	2.80	2.25	2.05
◆ 863-NDTL03N150CG	NDTL03N150CG	TO-3P-3L	1500	10500	-	-	-	2.5	2.5	3.35	2.70	2.46
◆ 863-NDUL03N150CG	NDUL03N150CG	TO-3P-3L	1500	10500	-	-	-	3	2.5	3.30	2.65	2.41
◆ 863-WPH4003-1E	WPH4003-1E	TO-3PF	1700	10500	-	-	-	55	3	5.16	4.38	3.80

P-Channel

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V _{(BR)DSS} (Max.) (V)	RDS(on)(Max.)(mΩ) @				P _D (Max.) (W)	I _D (Max.) (A)	Price Each		
				VGS= -10V	VGS= -4.5V	VGS= -2.5V	VGS= -1.8V			1	10	100
Negative RDS(on)												
◆ 863-NTJD1155LT1G	NTJD1155LT1G	SOT-363	-8	-	130	170	260	0.4	-1.3	.40	.306	.166
◆ 863-NTR0202PLT1G	NTR0202PLT1G	SOT-23	-20	550	-	-	-	0.225	-0.4	.47	.276	.131
◆ 863-NTR1P02T1G	NTR1P02T1G	SOT-23	-20	180	280	-	-	0.4	-1.0	.36	.258	.118
◆ 863-NTS4101PT1G	NTS4101PT1G	SC-70	-20	-	83	104	-	0.329	-1.37	.50	.324	.139
◆ 863-NTGS3443T1G	NTGS3443T1G	TSOP-6	-20	-	65	100	-	2	-2.0	.45	.301	.168
◆ 863-NTGS3441T1G	NTGS3441T1G	TSOP-6	-20	-	90	135	-	1	-2.35	.43	.288	.161
◆ 863-NTMS5P02R2G	NTMS5P02R2G	SOIC-8	-20	-	26	-	-	0.79	-5.4	.67	.558	.36
◆ 863-NTHS4101PT1G	NTHS4101PT1G	ChipFET	-20	-	21	30	42	1.3	-6.7	.65	.487	.306
◆ 863-NTS4173PT1G	NTS4173PT1G	SC-70	-30	150	200	280	-	0.29	-1.2	.46	.326	.15
◆ 863-NTR4502PT1G	NTR4502PT1G	SOT-23	-30	155	240	-	-	1.25	-1.95	.53	.312	.148
◆ 863-NTR4171PT1G	NTR4171PT1G	SOT-23	-30	75	110	150	-	0.48	-2.2	.36	.275	.149
◆ 863-NTGS4111PT1G	NTGS4111PT1G	TSOP-6	-30	38	68	-	-	1.25	-4.7	.43	.331	.18
◆ 863-NTMS4177PR2G	NTMS4177PR2G	SOIC-8	-30	12	19	-	-	1.52	-11.4	.70	.589	.38
◆ 863-NTGS5120PT1G	NTGS5120PT1G	TSOP-6	-60	111	142	-	-	1.1	-2.5	.55	.415	.261
◆ 863-NTF2955T1G	NTF2955T1G	SOT-223	-60	145	-	-	-	1	-2.6	.82	.642	.414
◆ 863-NTD2955T4G	NTD2955T4G	TO-252	-60	155	-	-	-	55	-12	.63	.489	.315
◆ 863-NTP2955G	NTP2955G	TO-220	-60	156	-	-	-	2.4	-12	.92	.74	.569
◆ 863-NTD20P06LT4G	NTD20P06LT4G	TO-252	-60	-	-	-	-	65	-15.5	.96	.749	.483
◆ 863-NTB5605PT4G	NTB5605PT4G	TO-263	-60	-	-	-	-	88	-18.5	1.20	.963	.739
◆ 863-NTB25P06T4G	NTB25P06T4G	TO-263	-60	65	-	-	-	120	-27.5	1.55	1.32	1.05
Positive RDS(on)				VGS=10V	VGS=4.5V	VGS=2.5V	VGS=1.8V					
◆ 863-MCH6664-TL-W	MCH6664-TL-W	SOT-363	-30	325	555	-	-	0.8	-1.5	.57	.382	.213
◆ 863-BSS84LT1G	BSS84LT1G	SOT-23	-50	10000	-	-	-	0.225	-0.13	.33	.228	.095

Complementary

MOUSER STOCK NO.	ON Semiconductor Part No.	Package	V _{(BR)DSS} (Max.) (V)	RDS(on)(Max.)(mΩ) @				P _D (Max.) (W)	I _D (Max.) (A)	Price Each		
				VGS=10V/-10V	VGS=4.5V/-4.5V	VGS=2.5V/-2.4V	VGS=1.8V/-1.8V			1	10	100
◆ 863-NTLJD3119CTBG	NTLJD3119CTBG	WDFN-6	-20	-/-	65/100	85/135	120/200	2.3	-4.6	.58	.485	.313