



Samhop Selection Guide - Mosfet Product

High Voltage Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / Ohm max		Vgs(th) (typ)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)		Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V					10V	4.5V			
SDT04N04	SOT-223	Single-N	400	30	3.5	2.98	2.50		3.00	295.0	44.0	8.5	6.30		1.70	2.40	
SDT03N04A	SOT-223	Single-N	400	30	3.0	2.98	3.10		3.00	240.0	38.0	8.0	5.50		1.50	2.00	
SDT03N04	SOT-223	Single-N	400	30	1.5	2.98	4.00		2.90	186.0	31.0	6.3	4.40		1.20	1.60	
SDK03N04	SOT-89	Single-N	400	30	1.5	1.25	4.00		2.90	186.0	38.0	7.0	6.00		1.90	2.00	
SDK02N04	SOT-89	Single-N	400	30	1.0	1.25	4.88		4 (max)	128.0	21.5	5.1	8.50		2.70	2.90	
SDP12N06	TO-220	Single-N	600	20	12.0	214.00	0.76		3.00	2290.0	188.0	15.0	37.50		6.00	13.50	
SDP10N06	TO-220	Single-N	600	20	10.0	179.00	0.85		3.00	2000.0	162.0	12.5	31.00		5.50	10.00	
SDF14N05	TO-220F	Single-N	500	30	14.0	21.00	0.41		3.00	2400.0	260.0	250.0	67.00		7.40	18.50	
SDF12N06	TO-220F	Single-N	600	20	12.0	58.00	0.76		3.00	2290.0	188.0	15.0	37.50		6.00	13.50	
SDF10N06	TO-220F	Single-N	600	20	10.0	55.00	0.85		3.00	2000.0	162.0	12.5	31.00		5.50	10.00	
SDF05N05	TO-220F	Single N	500	30	4.5	33.00	1.60		3.00	705	74	11	13.50		3.00	5.00	
SDF08N05	TO-220F	Single N	500	30	8.0	50.00	0.90		3.00	1260	127	13	17.00		3.20	7.00	
SDF04N06	TO-220F	Single-N	600	30	4.0	21.00	2.50		3.00	650.0	67.0	11.0	12.50		2.60	5.00	
SDF03N08	TO-220F	Single N	800	30	3.0	42.00	4.20		4.00	607	60	12	12.50		2.50	6.00	
SDD03N04	TO-251	Single-N	400	30	2.0	42.00	3.80		3.00	185.0	31.0	6.1	4.36		1.28	1.48	
SDD03N65	TO-251	Single N	650	30	2.0	42.00	4.00		3.00	530	52	8.5	9.60		2.00	3.90	
SDD04N06	TO-251	Single N	600	30	4.0	88.00	2.90		3.00	590	60	8.7	11.00		2.20	3.90	
SDF12N06	TO-220F	Single N	600	30	12.0	58.00	0.63		3.00	1830	195	18	40.00		6.00	15.00	
SDD05N65	TO-251	Single N	650	30	5.0	83.00	2.20		3.00	805	73	9	12.20		2.70	4.70	
SDF07N65	TO-220F	Single N	650	30	7.0	66.00	1.40		3.00	1025	110	13	21.00		3.60	8.00	
SDD02N04	TO-251	Single-N	400	30	1.5	42.00	6.00		3.00	128.5	23.0	5.6	3.22		1.06	0.94	
SDD01N65A	TO-251	Single-N	600	20	1.3	42.00	11.00		3.00	180.0	25.0	6.0	4.00		1.30	1.35	
SDD01N65	TO-251	Single-N	650	20	1.0	42.00	16.00		3.00	132.0	21.0	5.8	3.00		1.00	1.10	
SDU05N04	TO-252	Single-N	400	30	4.0	68.00	2.60		3.00	320.0	44.0	7.9	5.70		1.40	2.30	
SDU03N04	TO-252	Single-N	400	30	2.0	42.00	3.80		3.00	185.0	31.0	6.1	4.36		1.28	1.48	
SDU03N04A	TO-252	Single-N	400	30	3.0	42.00	3.20		3.00	245.0	38.0	7.5	4.90		1.40	1.80	
SDU05N05	TO-252	Single N	500	30	5.0	75.00	1.70		3.20	725	75	10	11.20		2.60	4.00	