



# Samhop Selection Guide - Mosfet Product

## High Voltage Product

Part No.	Package	Configuration	Vds	Vgs (±)	ID	PD (W)	Rds(on) / m Ohm max		Vgs(th) (max)	Ciss (pf)	Coss (pF)	Crss (pF)	Qg (nC)		Qgs (nC)	Qgd (nC)	ESD
							10V	4.5V					10V	4.5V			
SDP740	TO-220	Single-N	400	30	10.0	125.0	0.55		4.00	882	263	89.0	29.40		4.20	15.75	
SDF740	TO-220F	Single-N	400	30	10.0	42.0	0.55		4.00	882	263	89.0	29.40		4.20	15.75	
SDP730	TO-220	Single-N	400	30	5.5	69.0	1.00		4.00	480	80	15.0	16.00		2.30	8.20	
SDF730	TO-220F	Single-N	400	30	5.5	36.0	1.00		4.00	480	80	15.0	16.00		2.30	8.20	
SDD03N04	TO-251	Single-N	400	20	2.0	42.0	3.80		4.00	185	31	6.1	4.36		1.28	1.48	
SDU03N04	TO-252	Single-N	400	20	2.0	42.0	3.80		4.00	185	31	6.1	4.36		1.28	1.48	
SDK03N04	SOT-89	Single-N	400	20	1.5	0.8	4.00		4.00	186	38	7.0	6.00		1.90	2.00	
SDT03N04	SOT-223	Single-N	400	20	1.5	2.98	4.00		4.00	186	31	6.3	4.40		1.20	1.60	
SDP450	TO-220	Single-N	500	30	14.0	179.0	0.40		4.00	1495	235	20.0	32.00		8.50	14.00	
SDF450	TO-220F	Single-N	500	30	14.0	38.0	0.40		4.00	1495	235	20.0	32.00		8.50	14.00	
SDP13N50	TO-220	Single-N	500	30	13.0	195.0	0.48		4.00	2224	180	17.0	40.20		10.20	15.10	
SDF13N50	TO-220F	Single-N	500	30	13	48.0	0.48		4.00	2224	180	17.0	40.20		10.20	15.10	
SDP840	TO-220	Single-N	500	30	8.0	125.0	0.85		4.00	880	120	10.0	18.00		5.00	7.50	
SDF840	TO-220F	Single-N	500	30	8.0	42.0	0.85		4.00	880	120	10.0	18.00		5.00	7.50	
SDY01N50	TO-92	Single-N	500	30	0.4	2.1	5.60		4.00	150	28	4.1	4.90		0.66	2.90	
SDP830	TO-220	Single-N	500	30	4.5	69.0	15.00		4.00	490	66	5.0	11.00		3.00	5.00	
SDF830	TO-220F	Single-N	500	30	4.5	28.0	15.00		4.00	490	66	5.0	11.00		3.00	5.00	
SDP12N60	TO-220	Single-N	600	30	12.0	223.20	0.7		4.00	1936	200.2	23.1	52.8		9.35	23.10	
SDF12N60	TO-220F	Single-N	600	30	12.0	223.20	0.7		4.00	1936	200.2	23.1	52.8		9.35	23.10	
SDP10N60	TO-220	Single-N	600	30	10.0	178.60	0.8		4.00	1806	191	20.7	50.6		7.71	21.28	
SDF10N60	TO-220F	Single-N	600	30	10.0	50.00	0.8		4.00	1806	191	20.7	50.6		7.71	21.28	
SDP08N60	TO-220	Single-N	600	30	7.4	131.60	1.0		4.00	965	105	12	28.0		4.50	12.00	
SDF08N60	TO-220F	Single-N	600	30	7.4	44.60	1.0		4.00	965	105	12	28.0		4.50	12.00	
SDP06N60A	TO-220	Single-N	600	30	6.0	104.00	1.2		4.00	1062	116	13	30.8		5.00	13.20	
SDF06N60A	TO-220F	Single-N	600	30	6.0		1.2		4.00	1062	116	13	30.8		5.00	13.20	
SDP06N60	TO-220	Single-N	600	30	5.5	139	2.0		4.00	620	65	7	16.0		3.50	6.50	
SDF06N60	TO-220F	Single-N	600	30	5.5	39	2.0		4.00	620	65	7	16.0		3.50	6.50	
SDP05N60A	TO-220	Single-N	600	30	5.0	125	2.2		4.00	620	65	7	16.0		3.50	6.50	
SDF05N60A	TO-220F	Single-N	600	30	5.0	39	2.2		4.00	620	65	7	16.0		3.50	6.50	

