



无锡新洁能功率半导体产品参数表

2011-1-17

Product Major Information					BVdss (V)		Vth (V)			Vgs(V)	Ron(10V) (mΩ)		Ron(4.5V) (mΩ)		Ron(2.5V) (mΩ)		Remark	
N/P Voltage	Product Name	Assembly	ID(A)	PW (W) 25°C	Min	Typ	Min	Typ	Max		Typ	Max	Typ	Max	Typ	Max		
P-8V	NCE2305	SOT-23	-4.1	1.7	-8	-24	-0.45	-0.7	-1	±8			37	45	50	80		
P-16V	NCE2307	SOT-23	-4	1.38	-16	-24			-1	±8				60		70		
P-20V	NCE2301	SOT-23	-3	1	-20	-24	-0.4	-0.7	-1	±10			58	110	86	140		
	NCE2305A	SOT-23	-4.1	1.7	-20	-24	-0.45	-0.7	-1	±8			37	45	50	80		
P-30V	NCE3407	SOT-23	-4.1	1.4	-30	-33	-1	-1.5	-3	±20	52	60	72	87				
	NCE3407A	SOT-23	-4.3	1.5	-30	-33	-1	-1.5	-3	±20	47	60	65	87				
	NCE3401	SOT-23	-4.2	1.25	-30	-33	-0.7	-1	-1.3	±12	50	65	64	75				
	NCE3401A	SOT-23	-4.4	1.3	-30	-33	-0.7	-1	-1.3	±12	45	60	58	75				
	NCE9435	SOP-8	-5.1	2.5	-30	-33	-1	-1.5	-3	±20	50	55	70	105				
	NCE4953	SOP-8	-5.1	2.5	-30	-33	-1	-1.5	-3	±20	50	55	70	90			Dual	
	NCE9435A	SOP-8	-5.3	2.6	-30	-33	-1	-1.5	-3	±20	45	53	62	100				
	NCE4953A	SOP-8	-5.3	2.6	-30	-33	-1	-1.5	-3	±20	45	53	62	85				
	NCE4403	SOP-8	-6.1	3	-30	-33	-0.7	-1	-1.3	±12	38	46	49	61				
	NCE4435	SOP-8	-9.1	2.5	-30	-33	-1	-1.5	-3	±20	15.5	20	21	35				
N-20V	NCE3013S	SOP-8	-12	3	-30	-33	-1.7	-2.5	-3	±25		14						
	NCE2302	SOT-23	2.9	1	20	22	0.5	0.75	1.2	±10			32	40	43	60		
	NCE2312	SOT-23	4.9	1.25	20	22	0.45	0.65	0.85	±8			28	33	38	40		
	NCE8205	SOT23-6	4	1.25	20	22	0.5	0.7	1.2	±10			20	30	28	45	Common-Drain	
N-30V	NCE8205A	TSSOP-8	6	1.5	20	22	0.5	0.7	1.2	±10			21	27.5	29	37.5	Common-Drain	
	NCE2304	SOT-23	3.6	1.7	30	33	1.2	1.5	2.2	±20	40	58	65	75				
	NCE3010S	SOP-8	10	2.5	30	33	1	1.5	3	±20	7.5	13.5	11	20				
	NCE3050K	TO-252	50	60	30	33	1	1.5	3	±20	6.8	9	10*	15*				
	NCE3080K	TO-252	80	83	30	33	1	1.5	3	±20	4.8	6	7.4*	9.5*				
	NCE30H10	TO-220	100	100	30	33	1	1.5	3	±20	4.2	5.3	6	8				
N-50V	NCE30H21	TO-220	210	230	30	33	2	2.5	4	±20	2	2.5						
	N-50V (ESD)	BSS138	SOT-23	0.22	0.35	50	65	0.8	1.2	1.6	±20	1Ω	2Ω	1.2Ω*	3Ω*			2.3K ESD I _{gss} 110nA@V _{gs} ±10V 300nA@V _{gs} ±12V
N-55V	NCE5549	TO-220	49	100	55	65	2	3	4	±20	8.4	11						
	NCE55H11	TO-220	110	200	55	65	2	3	4	±20	4.5	6						
N-60V	NCE55H12	TO-220	120	220	55	65	2	3	4	±20	4.1	5.5						
	N-60V (ESD)	2N7002	SOT-23	0.115	0.2	60	68	1	1.7	2.5	±20	1.1Ω	2Ω	1.3Ω*	3Ω*			2.3K ESD I _{gss} 100nA@V _{gs} ±10V 4uA@V _{gs} ±20V
N-75V	N-60V	2N7002K	SOT-23	0.3	0.35	60	68	1	1.7	2.5	±20	1Ω	2Ω	1.3Ω*	3Ω*			2.3K ESD I _{gss} 100nA@V _{gs} ±10V 4uA@V _{gs} ±20V
	NCE6075	TO-220	75	120	60	68	2	3	4	±20	8.6	11.5						
	NCE6075K	TO-252	75	105	60	68	2	3	4	±20	8.6	11.5						
	NCE7560K	TO-252	60	140	75	84	2	3	4	±20	6.8	8.5						
	NCE7578	TO-220	78	160	75	84	2	2.85	4	±20	7	8.5						
	NCE7578F	TO-220F	78	95	75	84	2	2.85	4	±20	7	8.5						
	NCE7578D	TO-263	78	160	75	84	2	2.85	4	±20	7	8.5						
	NCE7578T	TO-247	78	170	75	84	2	2.85	4	±20	7	8.5						
	NCE7580	TO-220	80	170	75	84	2	2.85	4	±25	6.5	8						
	NCE7580D	TO-263	80	170	75	84	2	2.85	4	±25	6.5	8						
	NCE7580F	TO-220F	80	100	75	84	2	2.85	4	±25	6.5	8						
	NCE7580T	TO-247	80	180	75	84	2	2.85	4	±25	6.5	8						
N-80V	NCE75H21T	TO-247	210	470	75	86	2	3	4	±20	2.9	4						
	NCE75H21	TO-220	190	430	75	86	2	3	4	±20	2.9	4						
	NCE75H26T	TO-247	260	500	75	86	2	3	4	±20	2.3	3						
	NCE75H35T	TO-247	350	520	75	86	2	3	4	±20		1.8						
	NCE8098	TO-220	98	200	80	86	2	3	4	±20	6.5	8						
	NCE80H11	TO-220	105	220	80	86	2	3	4	±20	5.9	8						
	N-85V	NCE8580	TO-220	80	180	85	88	2	2.85	4	±20	6.8	8.5					
	N-100V	NCE0128D	TO-263	28	63	100	110	2	3.2	4	±20	13.3	18					
NCE0157A		TO-220	57	160	100	110	2	3	4	±20	13	17						
NCE0157		TO-220	57	170	100	110	2	3	4	±20	12	16						
NCE0159		TO-220	59	200	100	110	2	3	4	±20	11	15						
NCE01H10		TO-220	100	310	100	110	2	3	4	±20	8.7	11						
NCE0170		TO-220	70	230	100	110	2	3	4	±20	10.5	14						
NCE0160S		PowerPAK SO-8	60	105	100	110	2.5	3.7	4.5	±20	12.6	16						
NCE01H14		TO-220	140	330	100	110	2	3.2	4	±20	5.5	6.8						
NCE01H21T		TO-247	210	470	100	110	2	3	4	±20	3.3	4.3						
N-150V	NCE01H29T	TO-247	290	520	100	110	2	3	4	±20		2.6					工程阶段	
	NCE1505S	SOP-8	5.2	3	150	160	2.5		4.5	±20		44					工程阶段	
	NCE15H11T	TO-247	110	450	150	160	2	3	4	±20	10	13						
	NCE1579	TO-220	79	310	150	160	2	3.1	4	±20	16	19						
N-200V	NCE15H15T	TO-247	150	520	150	160	2	3	4	±20		8						
	NCE0203S	SOP-8	3.7	2.5	200	220	2.5			±20		79					工程阶段	
	NCE0218	TO-220	18	125	200	220	2		4	±20		180					工程阶段	

Note * Vgs=5V

Product Major Information					BVdss (V)		Vth (V)			Vgs(V)	Ron(10V) (mΩ)		Ron(4.5V) (mΩ)		Ron(2.5V) (mΩ)		Remark
N/P Voltage	Product Name	Assembly	ID(A)	PW (W) 25°C	Min	Typ	Min	Typ	Max		Typ	Max	Typ	Max	Typ	Max	
500V SJ-MOS	NCE05N50L	TO-251S	4.5	50	500		2.5	3	3.5	±30	850	950					
	NCE05N50I	TO-251	4.5	50	500		2.5	3	3.5	±30	850	950					
	NCE05N50K	TO-252	4.5	50	500		2.5	3	3.5	±30	850	950					
	NCE05N50F	TO-220F	4.5	31	500		2.5	3	3.5	±30	850	950					
	NCE05N50	TO-220	4.5	50	500		2.5	3	3.5	±30	850	950					
	NCE05N50D	TO-263	4.5	50	500		2.5	3	3.5	±30	850	950					
	NCE07N50	TO-220	7	83	500		2.5	3	3.5	±30	540	600					
	NCE07N50F	TO-220F	7	32	500		2.5	3	3.5	±30	540	600					
	NCE07N50I	TO-251	7	83	500		2.5	3	3.5	±30	540	600					
	NCE07N50K	TO-252	7	83	500		2.5	3	3.5	±30	540	600					
	NCE07N50D	TO-263	7	83	500		2.5	3	3.5	±30	540	600					
	NCE11N50	TO-220	11	125	500		2.5	3	3.5	±30	340	380					
	NCE11N50F	TO-220F	11	33	500		2.5	3	3.5	±30	340	380					
	NCE11N50D	TO-263	11	125	500		2.5	3	3.5	±30	340	380					
	NCE11N50T	TO-247	11	125	500		2.5	3	3.5	±30	340	380					
	NCE20N50	TO-220	20	208	500		2.5	3	3.5	±30	160	190					
NCE20N50F	TO-220F	20	34.5	500		2.5	3	3.5	±30	160	190						
NCE20N50T	TO-247	20	208	500		2.5	3	3.5	±30	155	190						
600V SJ-MOS	NCE05N60L	TO-251S	4.5	50	600		2.5	3	3.5	±30	850	950					
	NCE05N60I	TO-251	4.5	50	600		2.5	3	3.5	±30	850	950					
	NCE05N60K	TO-252	4.5	50	600		2.5	3	3.5	±30	850	950					
	NCE05N60F	TO-220F	4.5	31	600		2.5	3	3.5	±30	850	950					
	NCE05N60	TO-220	4.5	50	600		2.5	3	3.5	±30	850	950					
	NCE05N60D	TO-263	4.5	50	600		2.5	3	3.5	±30	850	950					
	NCE07N60	TO-220	7	83	600		2.5	3	3.5	±30	540	600					
	NCE07N60F	TO-220F	7	32	600		2.5	3	3.5	±30	540	600					
	NCE07N60I	TO-251	7	83	600		2.5	3	3.5	±30	540	600					
	NCE07N60K	TO-252	7	83	600		2.5	3	3.5	±30	540	600					
	NCE07N60D	TO-263	7	83	600		2.5	3	3.5	±30	540	600					
	NCE11N60	TO-220	11	125	600		2.5	3	3.5	±30	340	380					
	NCE11N60F	TO-220F	11	33	600		2.5	3	3.5	±30	340	380					
	NCE11N60D	TO-263	11	125	600		2.5	3	3.5	±30	340	380					
	NCE11N60T	TO-247	11	125	600		2.5	3	3.5	±30	340	380					
	NCE20N60	TO-220	20	208	600		2.5	3	3.5	±30	160	190					
NCE20N60F	TO-220F	20	34.5	600		2.5	3	3.5	±30	160	190						
NCE20N60T	TO-247	20	208	600		2.5	3	3.5	±30	155	190						
650V SJ-MOS	NCE05N65L	TO-251S	4.5	50	650		2.5	3	3.5	±30	850	950					
	NCE05N65I	TO-251	4.5	50	650		2.5	3	3.5	±30	850	950					
	NCE05N65K	TO-252	4.5	50	650		2.5	3	3.5	±30	850	950					
	NCE05N65F	TO-220F	4.5	31	650		2.5	3	3.5	±30	850	950					
	NCE05N65	TO-220	4.5	50	650		2.5	3	3.5	±30	850	950					
	NCE05N65D	TO-263	4.5	50	650		2.5	3	3.5	±30	850	950					
	NCE07N65	TO-220	7	83	650		2.5	3	3.5	±30	540	600					
	NCE07N65F	TO-220F	7	32	650		2.5	3	3.5	±30	540	600					
	NCE07N65I	TO-251	7	83	650		2.5	3	3.5	±30	540	600					
	NCE07N65K	TO-252	7	83	650		2.5	3	3.5	±30	540	600					
	NCE07N65D	TO-263	7	83	650		2.5	3	3.5	±30	540	600					
	NCE11N65	TO-220	11	125	650		2.5	3	3.5	±30	340	380					
	NCE11N65F	TO-220F	11	33	650		2.5	3	3.5	±30	340	380					
	NCE11N65D	TO-263	11	125	650		2.5	3	3.5	±30	340	380					
	NCE11N65T	TO-247	11	125	650		2.5	3	3.5	±30	340	380					
	NCE20N65	TO-220	20	208	650		2.5	3	3.5	±30	160	190					
NCE20N65F	TO-220F	20	34.5	650		2.5	3	3.5	±30	160	190						
NCE20N65T	TO-247	20	208	650		2.5	3	3.5	±30	155	190						
1200V NPT IGBT	NCE10G120	TO-220	10	138	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE15G120	TO-220	15	138	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE15GD120	TO-220	15	138	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode	
	NCE15G120T	TO-247	15	220	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE15GD120T	TO-247	15	220	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode	
	NCE20G120T	TO-247	20	298	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE20GD120T	TO-247	20	298	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode	
	NCE25G120T	TO-247	25	312	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE25GD120T	TO-247	25	312	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode	
	NCE30G120T	TO-247	30	339	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE30GD120T	TO-247	30	339	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode	
	NCE35G120T	TO-247	35	368	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE35GD120T	TO-247	35	368	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode	
	NCE35G120H	TO-264	35	368	1200		4	5.5	7	±25	2.0V	2.5V					
	NCE35GD120H	TO-264	35	368	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode	
	NCE40G120T	TO-247	40	417	1200		4	5.5	7	±25	2.0V	2.5V					
NCE40GD120T	TO-247	40	417	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode		
NCE40G120H	TO-264	40	417	1200		4	5.5	7	±25	2.0V	2.5V						
NCE40GD120H	TO-264	40	417	1200		4	5.5	7	±25	2.0V	2.5V				Built In Diode		

Vcesat(V)