

Small Outline (Surface Mount) Package Devices

N-CHANNEL SILICON JUNCTION FIELD-EFFECT TRANSISTORS

Device Type	BV _{GS}		I _{GSS}		V _{GS(OFF)}				I _{DSS}		
	Min (V)	@I _G (μA)	Max (nA)	@V _{GS} (V)	Limits		Conditions		Min (mA)	Max (mA)	@V _{DS} (V)
					Min (V)	Max (V)	V _{DS} (V)	I _D (nA)			
SMP 3369	-40	-1.0	-1.0	-30	-	-6.5	20	1.0	0.5	2.5	30
SMP 3370	-40	-1.0	-1.0	-30	-	-3.2	20	1.0	0.1	0.6	30
SMP 3458	-50	-1.0	-1.0	-30	-	-7.8	20	1.0	3.0	15	20
SMP 3459	-50	-1.0	-1.0	-30	-	-3.4	20	1.0	0.8	4.0	20
SMP 3460	-50	-1.0	-1.0	-30	-	-1.8	20	1.0	0.2	1.0	20
SMP 3819	-25	-1.0	-2.0	-15	-	-8.0	15	2.0	2.0	20	15
SMP 3821	-50	-1.0	-1.0	-30	-	-4.0	10	1.0	0.5	2.5	15
SMP 3822	-50	-1.0	-1.0	-30	-	-6.0	10	1.0	2.0	10	15
SMP 3823	-30	-1.0	-1.0	-20	-	-8.0	10	1.0	4.0	20	15
SMP 3824	-50	-1.0	-1.0	-30	-	-8.0	15	0.5	4.0	20	15
SMP 3966	-30	-1.0	-1.0	-20	-4.0	-6.0	10	10	2.0	-	20
SMP 3967	-30	-1.0	-1.0	-20	-2.0	-5.0	20	1.0	2.5	10	20
SMP 3967A	-30	-1.0	-1.0	-20	-2.0	-5.0	20	1.0	2.5	10	20
SMP 3968	-30	-1.0	-1.0	-20	-	-3.0	20	1.0	1.0	5.0	20
SMP 3968A	-30	-1.0	-1.0	-20	-	-3.0	20	1.0	1.0	5.0	20
SMP 3969	-30	-1.0	-1.0	-20	-	-1.7	20	1.0	0.4	2.0	20
SMP 3969A	-30	-1.0	-1.0	-20	-	-1.7	20	1.0	0.4	2.0	20
SMP 3970	-40	-1.0	-1.0	-20	-4.0	-10	20	1.0	50.0	150	20
SMP 3971	-40	-1.0	-1.0	-20	-2.0	-5.0	20	1.0	25.0	75	20
SMP 3972	-40	-1.0	-1.0	-20	-0.5	-3.0	20	1.0	5.0	30	20
SMP 4091	-40	-1.0	-1.0	-20	-5.0	-10	20	1.0	30.0	-	20
SMP 4092	-40	-1.0	-1.0	-20	-2.0	-7.0	20	1.0	15.0	-	20
SMP 4093	-40	-1.0	-1.0	-20	-1.0	-5.0	20	1.0	8.0	-	20
SMP 4117	-40	-1.0	-0.01	-20	-0.6	-1.8	10	1.0	0.03	0.09	10
SMP 4118	-40	-1.0	-0.01	-20	-1.0	-3.0	10	1.0	0.08	0.24	10
SMP 4119	-40	-1.0	-0.01	-20	-2.0	-6.0	10	1.0	0.2	0.6	10
SMP 4220	-30	-10	-1.0	-15	-	-4.0	15	1.0	0.5	3.0	15
SMP 4221	-30	-10	-1.0	-15	-	-6.3	15	1.0	2.0	6.0	15
SMP 4222	-30	-10	-1.0	-15	-	-8.0	15	1.0	5.0	15	15
SMP 4223	-30	-10	-1.0	-20	-	-8.0	15	1.0	3.0	18	15
SMP 4224	-30	-10	-1.0	-20	-	-8.0	15	1.0	2.0	20	15
SMP 4302	-30	-1.0	-1.0	-15	-	-4.0	20	10	0.5	5.0	20
SMP 4303	-30	-1.0	-1.0	-15	-	-6.0	20	10	4.0	10	20
SMP 4304	-30	-1.0	-1.0	-15	-	-10	20	10	0.5	15	20
SMP 4338	-50	-1.0	-1.0	-30	-0.3	-1.0	15	100	0.2	0.6	15
SMP 4339	-50	-1.0	-1.0	-30	-0.6	-1.8	15	100	0.5	1.5	15



InterFET
 (972) 487-1287
 FAX (972) 276-3375

	g_{fs}			C_{iss}		C_{rss}		r_{ds}	Process
	Min (mS)	Max (mS)	@ V_{DS} (V)	Max (pF)	@ V_{DS} (V) @ $[V_{GS}]$ (V)	Max (pF)	@ V_{DS} (V) @ $[V_{GS}]$ (V)	Max (Ω)	
SMP 3369	0.6	2.5	30	20	8.0	3.0	30	—	NJ16
SMP 3370	0.3	2.5	30	20	8.0	3.0	30	—	NJ16
SMP 3458	2.5	10	20	18	[− 10]	5.0	30	—	NJ32
SMP 3459	1.5	6.0	20	18	[− 8.0]	5.0	30	—	NJ16
SMP 3460	0.8	4.5	20	18	[− 4.0]	5.0	30	—	NJ16
SMP 3819	2.0	6.5	15	8.0	15	4.0	15	—	NJ32
SMP 3821	1.5	4.5	15	6.0	15	2.0	15	—	NJ32
SMP 3822	3.0	6.5	15	6.0	15	2.0	15	—	NJ32
SMP 3823	3.5	6.5	15	6.0	15	2.0	15	—	NJ32
SMP 3824	3.5	6.5	15	6.0	15	2.0	15	250	NJ32
SMP 3966	—	—	—	6.0	20	1.5	[− 7.0]	220	NJ32
SMP 3967	2.5	—	20	5.0	20	1.3	20	—	NJ26
SMP 3967A	2.5	—	20	5.0	20	1.3	20	—	NJ26
SMP 3968	2.0	—	20	5.0	20	1.3	20	—	NJ26
SMP 3968A	2.0	—	20	5.0	20	1.3	20	—	NJ26
SMP 3969	1.3	—	20	5.0	20	1.3	20	—	NJ16
SMP 3969A	1.3	—	20	5.0	20	1.3	20	—	NJ16
SMP 3970	—	—	—	25	20	6.0	[− 12]	30	NJ132
SMP 3971	—	—	—	25	20	6.0	[− 12]	60	NJ132
SMP 3972	—	—	—	25	20	6.0	[− 12]	100	NJ132
SMP 4091	—	—	—	16	20	5.0	[− 20]	30	NJ132
SMP 4092	—	—	—	16	20	5.0	[− 20]	50	NJ132
SMP 4093	—	—	—	16	20	5.0	[− 20]	80	NJ132
SMP 4117	0.07	0.21	10	3.0	10	1.5	10	—	NJ01
SMP 4118	0.08	0.25	10	3.0	10	1.5	10	—	NJ01
SMP 4119	0.1	0.33	10	3.0	10	1.5	10	—	NJ01
SMP 4220	1.0	4.0	15	6.0	15	2.0	15	—	NJ16
SMP 4221	2.0	5.0	15	6.0	15	2.0	15	—	NJ16
SMP 4222	2.5	6.0	15	3.0	15	2.0	15	—	NJ32
SMP 4223	3.0	7.0	15	6.0	15	2.0	15	—	NJ32
SMP 4224	2.0	7.5	15	6.0	15	2.0	15	—	NJ32
SMP 4302	1.0	—	20	6.0	15	2.0	15	—	NJ26
SMP 4303	2.0	—	20	6.0	20	2.0	20	—	NJ26
SMP 4304	1.0	—	20	6.0	20	3.0	20	—	NJ26
SMP 4338	0.6	1.8	15	6.0	20	3.0	20	2500	NJ16
SMP 4339	0.8	2.4	15	7.0	15	3.0	15	1700	NJ16

Electrical Characteristics at $T_A = 25^\circ\text{C}$ **InterFET**

(972) 487-1287

FAX (972) 276-3375