

Split Gate MOSFET

SN	PIP 芯片名	Wafer Size (mm)	Parameter							
			Vdss,V	Vth,V			Rdson(mΩ)@Vgs=10V		Rdson(mΩ)@Vgs=4.5V	
				Min	Typ.	Max	Typ.	Max	Typ.	Max
1	SPTC6R03A	200	60	1.1	--	2.5	1.85	2.5	2.6	4.0
2	SPTC6R17	200	60	1.0	--	2.5	13*	17*	16*	20*
3	SPTC6R04	200	60	2.5	--	3.5	3.5	4	--	--
4	SPTC08R5D5	200	80	2.5	--	3.4	5.4	6.0	--	--
5	SPTC10R3D5	200	100	1.1	--	2.1	2.8	3.5	3.5	4.7
6	SPTC10R5D5	200	100	2.0	--	4.0	4.5	5.5	--	--
7	SPTC10R06	200	100	2.5	--	3.5	5.5	6.3	--	--
8	SPTC10R7D5	200	100	2.5	--	3.5	6.5	7.5	--	--
9	SPTC10R10	200	100	2.0	--	4.0	8.0	10.0	--	--
10	SPTC10R10B	200	100	1.1	--	2.5	7.5*	10*	10*	14*
11	SPTC10R13	200	100	1.1	--	2.5	9.0	11.0	14.0	17.0
12	SPTC10R16	200	100	1.1	--	2.5	14.0	16.0	19.6	25.0
13	SPTC10R20	200	100	1.1	--	2.5	17.0	20.0	23.0	30.0
14	SPTC10R05	200	100	1.1	--	2.5	4.1	5.0	5.7	8.0
15	SPTC10R14	200	100	1.1	--	2.5	11*	14*	15.5*	21*
16	SPTC10R06	200	100	2.5	--	3.5	5.5	6.3	--	--
17	SPTC12R15	200	120	1.1	--	2.5	11.0	16.0	13.5	21.0
18	SPTC12R20	150	120	2	--	4	15	20	--	--
19	SPTC15R45	150	150	2	--	4	35	45	--	--

样品/业务：18128625515  
 VX/QQ:361534814 陈r

## Trench MOSFET

SN	PIP 芯片名	Wafer Size (mm)	Parameter							
			Vdss,V	Vth,V			Rdson(mΩ)@Vgs=10V		Rdson(mΩ)@Vgs=4.5V	
				Min	Min	Typ.	Max	Typ.	Max	Typ.
1	PTC02N03N	200	30	1.0	--	2.5	2.4	3.2	3.8	4.5
2	PTC06N03N	200	30	1.0	--	2.5	3.8	4.8	6.0	8.0
3	PTC02N04NB	200	40	2.0	--	4.0	1.9	2.5	--	--
4	PTC03N04N1	200	40	2.0	--	4.0	2.2	3.0	--	--
5	PTC09N04N	200	40	1.0	--	2.5	7.5*	9*	10.7*	14*
6	PTC15N04N	200	40	1.0	--	2.5	12*	--	17*	--
7	PTC19N04N	200	45	1.0	--	2.5	15*	19*	21*	26*
8	PTC10N04NH	200	45	1.0	--	2.0	9.0	11.0	12.0	17.0
9	PTC03N06NB	200	60	2.0	--	4.0	4.0	5.0	--	--
10	PTC22N07N	200	68	1.0	--	2.5	15*	22*	18*	27*
11	PTC33N07N	200	68	1.0	--	2.5	26*	33*	32*	42*
12	PTC15N15N	150	150	3	--	4.5	--	15	--	--
13	PTC22N15N	150	150	3	--	4.5	17	22	--	--
14	PTC38N15N	150	150	3	--	4.5	30	38	--	--
15	PTC27N20N	150	200	2.5	--	3.5	--	27	--	--
16	PTC38N20N	150	200	3	--	4.5	29	38	--	--
17	PTC76N20N	150	200	3	--	4.5	59	76	--	--

样品/业务 : 18128625515

VX/QQ:361534814 陈r

### Trench P MOSFET

SN	PIP 芯片名	Wafer Size	Parameter							
			Vdss,V	Vth,V			Rdson(mΩ)@Vgs=-10V		Rdson(mΩ)@Vgs=-4.5V	
				Min	Min	Typ.	Max	Typ.	Max	Typ.
1	PTC64P06N	150	-60	-1	--	-2	52	64	64	80
2	PTC108P06N	150	-60	-1	--	-2	88	108	110	137
3	PTC218P06N	150	-60	-1	--	-2	182	218	228	285

### Super Junction MOSFET

SN	PIP 芯片名	Wafer Size	Parameter							
			Vdss,V	Vth,V			Rdson(mΩ)@Vgs=10V		Rdson(mΩ)@Vgs=4.5V	
				Min	Min	Typ.	Max	Typ.	Max	Typ.
1	SPTC65R300M	300	650	2.7	--	4.5	275.0	320.0	--	--
2	SPTC65R130FD	300	650	3.0	--	4.0	120	149	--	--

样品/业务 : 18128625515

VX/QQ:361534814 陈r

## Planar MOSFET

**200V~300v 系列**

序号	型号	Wafer Size	I <sub>D</sub>	V <sub>DSS</sub>	V <sub>GSS</sub>	V <sub>GS(th)</sub>	Q <sub>g</sub>	R <sub>DS(on)</sub>	R <sub>DS(on)</sub>
No.	Part No.	[mm]	[A]	[V]	[V]	[V]	Typ [nc]	Typ(Ω)	Max(Ω)
1	PTC09N20C	150	9	200	±30	1~3	16	0.25	0.3
2	PTC18N20B	150	18	200	±30	2~4	50	0.13	0.18
3	PTC40N20	150	40	200	±30	2~4	97	0.05	0.065
4	PTC50N20	150	50	200	±30	2~4	210	0.04	0.05
5	PTC90N20	150	94	200	±30	2~4	200	0.018	0.023
6	PTC50N25	150	50	250	±30	2~4	210	0.045	0.06
7	PTC90N25	150	90	250	±30	2~4	150	0.028	0.038
8	PTC69N30	150	69	300	±30	2~4	150	0.035	0.049

**400V~450v 系列**

序号	型号	Wafer Size	I <sub>D</sub>	V <sub>DSS</sub>	V <sub>GSS</sub>	V <sub>GS(th)</sub>	Q <sub>g</sub>	R <sub>DS(on)</sub>	R <sub>DS(on)</sub>
No.	Part No.	[mm]	[A]	[V]	[V]	[V]	Typ [nc]	Typ(Ω)	Max(Ω)
1	PSC06N40	150	6	400	±30	2~4	14.5	0.780	1.000
2	PSC10N40	150	10	400	±30	2~4	28	0.350	0.500
3	PTC10N40B	150	10	400	±30	2~4	26	0.450	0.500
4	PTC11N40	150	11	400	±30	2~4	28	0.350	0.500
5	PTx20N40B	150	20	400	±30	2~4	35	0.240	0.300
6	PTC04N45	150	4	430	±30	2~4	8.5	1.650	2.000
7	PTC06N45	150	6	430	±30	2~4	8.5	0.900	1.000
8	PTC07N45	150	7	430	±30	2~4	19	0.630	0.800
9	PTC09N45	150	9	430	±30	2~4	20	0.480	0.650
10	PTC11N45	150	11	450	±30	2~4	28	0.390	0.500
11	PTC13N45	150	13	450	±30	2~4	30	0.350	0.450
12	PTC15N45	150	15	450	±30	2~4	--	0.320	0.400
13	PTC18N45	150	18	450	±30	2~4	35	0.260	0.350
14	PTC20N45	150	20	450	±30	2~4	--	0.240	0.320
15	PTC24N45	150	24	450	±30	2~4	--	0.200	0.280
16	PTC28N45	150	28	450	±30	2~4	--	0.170	0.250
17	PTC30N45	150	30	450	±30	2~4	--	0.140	0.220

**500V~550V 系列**

序号	型 号	Wafer Size	I <sub>D</sub>	V <sub>DSS</sub>	V <sub>GSS</sub>	V <sub>GS(th)</sub>	Q <sub>g</sub>	R <sub>DS(on)</sub>	R <sub>DS(on)</sub>
1	PSC5090	150	9	500	±30	2~4	25	0.700	0.900
2	PTC09N50	150	9	500	±30	2~4	28	0.550	0.750
3	PTC12N50B	150	12	500	±30	2~4	30	0.440	0.550
4	PTC13N50B	150	13	500	±30	2~4	32	0.400	0.500
5	PSC13N50	150	13	500	±30	2~4	45	0.400	0.480
6	PTC15N50B	150	15	500	±30	2~4	35	0.380	0.470
7	PTC15N50	150	15	500	±30	2~4	45	0.330	0.450
8	PTC18N50	150	18	500	±30	2~4	45	0.280	0.380
9	PTC20N50A	150	20	500	±30	2~4	65	0.240	0.300
10	PTC25N50	150	24	500	±30	2~4	70	0.220	0.280
11	PTC28N50	150	28	500	±30	2~4	78	0.170	0.210
12	PTC30N50EL	150	30	500	±30	2~4	108	0.150	0.200
13	PTC40N50	150	40	500	±30	2~4	150	0.085	0.100
14	PTC60N50	150	60	500	±30	2.5~5	123	0.080	0.100
15	PTC02N55	150	2	550	±30	2~4	--	6.00	6.50
16	PTC07N55	150	7	550	±30	2~4	--	0.90	1.17
17	PTC12N55	150	12	550	±30	2~4	--	0.58	0.75
18	PTC20N55	150	20	550	±30	2~4	--	0.29	0.37

样品/业务：18128625515  
 VX/QQ:361534814 陈r

**600V~650V 系列 (600V~650V serials)**

序号	型号	Wafer Size	I <sub>D</sub>	V <sub>DSS</sub>	V <sub>GSS</sub>	V <sub>GS(th)</sub>	Q <sub>g</sub>	R <sub>DS(on)</sub>	R <sub>DS(on)</sub>
No.	Part No.	[mm]	[A]	[V]	[V]	[V]	Typ [nc]	Typ(Ω)	Max(Ω)
1	PSC04N60B	150	4	600	±30	2~4	8.5	2.000	2.300
2	PSC05N60	150	5	600	±30	2~4	12	1.75	2.2
3	PTC06N60C	150	6	600	±30	2~4	19	1.400	1.700
4	PTC07N60B	150	7	600	±30	2~4	20	1.100	1.250
5	PSC07N60	150	7	600	±30	2~4	25	1.000	1.250
6	PTC08N60	150	8	600	±30	2~4	29	0.950	1.200
7	PTC10N60B	150	10	600	±30	2~4	32	0.680	0.750
8	PSC10N60C	150	10	600	±30	2~4	31	0.650	0.750
9	PTC11N60	150	11	600	±30	2~4	--	0.630	0.750
10	PTC12N60	150	12	600	±30	2~4	44	0.550	0.700
11	PTC13N60	150	13	600	±30	2~4	46	0.450	0.600
12	PTC16N60	150	16	600	±30	2~4	54	0.400	0.500
13	PTC20N60A	150	20	600	±30	2~4	65	0.320	0.450
14	PTC22N60	150	22	600	±30	2~4	65	0.300	0.400
15	PTC26N60	150	26	600	±30	2~4	78	0.250	0.350
16	PTC30N60	150	30	600	±30	2~4	89	0.205	0.260
17	PTC36N60	150	36	600	±30	2~4	150	0.120	0.180
18	PSC04N65B	150	4	650	±30	2~4	8.5	2.300	2.600
19	PSC05N65	150	5	650	±30	2~4	17.5	1.85	2.5
20	PTC06N65C	150	6	650	±30	2~4	19	1.550	1.850
21	PTC07N65B	150	7	650	±30	2~4	20	1.200	1.400
22	PSC07N65	150	7	650	±30	2~4	25	1.100	1.400
23	PTC08N65	150	8	650	±30	2~4	29	0.900	1.300
24	PTC10N65B	150	10	650	±30	2~4	32	0.750	0.900
25	PSC10N65C	150	10	650	±30	2~4	31	0.700	0.850
26	PTC11N65	150	11	680	±30	2~4	--	0.680	0.830
27	PTC12N65	150	12	650	±30	2~4	44	0.600	0.750
28	PTC13N65	150	13	650	±30	2~4	46	0.550	0.650
29	PTC16N65	150	16	650	±30	2~4	54	0.450	0.550

30	PTC20N65A	150	20	650	±30	2~4	65	0.350	0.500
31	PTC22N65	150	22	650	±30	2~4	65	0.350	0.450
32	PTC26N65	150	26	650	±30	2~4	78	0.280	0.380
33	PTC30N65	150	30	650	±30	2~4	24	0.240	0.310
34	PTC34N65	150	34	650	±30	2~4	150	0.130	0.190

### 700V 系列

序号	型号	Wafer Size	I <sub>b</sub>	V <sub>DSS</sub>	V <sub>GSS</sub>	V <sub>GS(th)</sub>	Q <sub>g</sub>	R <sub>DS(on)</sub>	R <sub>DS(on)</sub>
No.	Part No.	[mm]	[A]	[V]	[V]	[V]	Typ [nc]	Typ(Ω)	Max(Ω)
1	PSC04N70B	150	4	700	±30	2~4	8.5	2.500	2.800
2	PTC06N70B	150	6	700	±30	2~4	20	1.400	1.800
3	PTC10N70B	150	10	700	±30	2~4	32	0.900	1.100
4	PTC10N70C	150	10	700	±30	2~4	31	0.800	0.900
5	PTC12N70	150	12	700	±30	2~4		0.780	0.880
6	PTC16N70	150	16	700	±30	2~4	54	0.600	0.750
7	PTC20N70A	150	20	700	±30	2~4	65	0.500	0.700
8	PTC26N70	150	26	700	±30	2~4	78	0.350	0.450

样品/业务：18128625515

VX/QQ:361534814 陈r

**800V~900V~1000V~1500V~2500V**

序号	型号	Wafer Size	I <sub>D</sub>	V <sub>DSS</sub>	V <sub>GSS</sub>	V <sub>GS(th)</sub>	Q <sub>g</sub>	R <sub>DS(on)</sub>	R <sub>DS(on)</sub>
No.	Part No.	[mm]	[A]	[V]	[V]	[V]	Typ [nc]	Typ(Ω)	Max(Ω)
1	PTC04N80	150	4	800	±30	2~4	16	3.700	4.800
2	PTC06N80	150	6	800	±30	2~4	--	2.1	2.3
3	PTC07N80	150	7	800	±30	3~5	39	1.300	1.800
4	PTC10N80	150	10	800	±30	3~5	60	1.000	1.150
5	PTC12N80	150	9	800	±30	2~4	--	0.800	1.000
6	PTC14N80	150	14	800	±30	2~4	--	0.550	0.720
7	PTC27N80	150	27	800	±30	3~5	183	0.280	0.350
8	PTC04N90	150	4	900	±30	3~5	16	3.800	4.800
9	PTC06N90	150	6	900	±30	3~5	37	1.400	1.900
10	PTC09N90	150	9	900	±30	3~5	49	1.200	1.400
11	PTC09N90A	150	9	900	±30	2~4	--	1.000	1.350
12	PTC12N90	150	12	900	±30	2~4	--	0.750	1.000
13	PTC18N90	150	18	900	±30	2~4	--	0.650	0.780
14	PTC24N90	150	24	900	±30	3~5	183	0.320	0.420
15	PTCD5N100	150	0.5	1000	±30	2~4	10	44.000	55.000
16	PTC02N100	150	2	1000	±30	2~4	15	7.800	8.800
17	PTC04N100	150	4	1000	±30	2~4	36	2.200	2.500
18	PTC06N100	150	6	1000	±30	2.5~4.5	--	2.000	2.300
19	PTC08N100	150	9	1000	±30	2~4	--	1.400	1.500
20	PTC10N100	150	10	1000	±30	3~5	--	1.000	1.250
21	PTC13N100	150	13	1000	±30	2.5~4.5	--	1.070	1.400
22	PTC24N100	150	24	1000	±30	2.5~4.5	183	0.380	0.450
23	PTC03N120	150	3	1200	±30	2.5~4.5	--	6.500	8.000
24	PTC10N120	150	10	1200	±30	2.5~4.5	--	3.23	4.2
25	PTC12N120	150	12	1200	±30	2.5~4.5	--	1.48	1.9
26	PTC65N150AL	150	65	1400	±30	0.5~1.5			
27	PTC03N150	150	3	1500	±30	2.5~4.5	36	5.400	8.200
28	PTC09N150	150	9	1500	±30	2.5~4.5	70	2.800	4.000
29	PTC11N150	150	11	1500	±30	2.5~4.5		2.850	3.700
30	PTCD5N250	150	0.5	2500	±30	2.5~4.5			250.000