

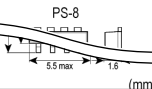
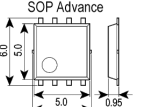
There are corrections to the catalog entitled *SEMICONDUCTOR GENERAL CATALOG*.

■ Document Name: SEMICONDUCTOR GENERAL CATALOG

■ Document ID: SCE0004L ■ Release Date: September 2011

P.28 $60\text{ V} < V_{DS} \leq 300\text{ V}$ (Power MOSFETs) (N-ch MOSFETs)

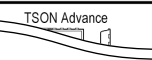
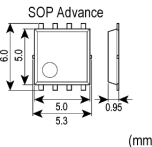
See page 60 of the book version.

Package	Polarity	Part Number	V _{DS} (V)	V _{GSS} (V)	I _D (A)	P _D (W)	R _{DS(ON)} Max (mΩ)								Q _g (nC) (typ.)	Internal Connections	
							V _{GS} = -1.8 V	V _{GS} = -2.0 V	V _{GS} = -2.5 V	V _{GS} = -4 V	V _{GS} = -4.5 V	V _{GS} = -7 V	V _{GS} = -10 V				
PS-8 		TPCA8012-H	200	±20	1.8	1.9	—	—	—	—	—	—	—	—	—	—	(1)
		TPCA8070-H	80	±20	18	16	—	—	—	—	—	—	—	—	—	—	(1)
SOP Advance 	N-ch Single	TPCA8051-H	80	±20	28	45	—	—	—	—	9.8	—	9.4	91	(1)		
		TPCA8006-H	100	±20	18	45	—	—	—	—	—	—	67	12	(1)		
		TPCA8009-H	150	±20	7	45	—	—	—	—	—	—	350	10	(1)		
		TPCA8010-H	200	±20	5.5	45	—	—	—	—	—	—	450	10	(1)		

P.39 $|V_{DS}| \leq 250\text{ V}$ (Power MOSFETs) (P-ch MOSFETs)


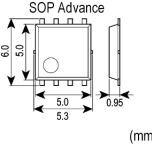
Wrong

See page 71 of the book version.

Package	Polarity	Part Number	V _{DS} (V)	V _{GSS} (V)	I _D (A)	P _D (W)	R _{DS(ON)} Max (mΩ)								Q _g (nC) (typ.)	Internal Connections
							V _{GS} = -1.8 V	V _{GS} = -2.0 V	V _{GS} = -2.5 V	V _{GS} = -4 V	V _{GS} = -4.5 V	V _{GS} = -7 V	V _{GS} = -10 V			
TSON Advance 		TPCC8131	-30	-25/+20	-10	20	—	—	—	—	23	—	17.6	40	(1)	
		TPC8133	-40	-25/+20	-15	26	—	—	—	—	—	—	18.9	26	(1)	
SOP Advance 	Pch Single	TPCA8124	-40	-25/+20	-12	1.9	—	—	—	10	—	8	104	(1)		
		TPCA8105	-12	±8	-6	20	92	—	51	—	33	—	18	(1)		
		TPCA8109	-30	-25/+20	-12	30	—	—	—	13	—	9	56	(1)		
		TPCA8128	-30	-25/+20	-34	45	—	—	—	6.7	—	4.8	115	(1)		
		TPCA8106	-30	±20	-40	45	—	—	7.8	—	—	3.7	130	(1)		
		TPCA8120	-30	-25/+20	-45	45	—	—	—	4.0	—	3.0	190	(1)		
		TPCA8107-H	-40	±20	-7.5	30	—	—	—	37	—	30	27	(1)		
		TPCA8108	-40	±20	-40	45	—	—	—	—	—	9.5	100	(1)		
		TPCA8104	-60	±20	-40	45	—	—	24	—	—	16	90	(1)		

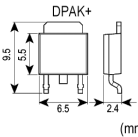


Right

Package	Polarity	Part Number	V _{DS} (V)	V _{GSS} (V)	I _D (A)	P _D (W)	R _{DS(ON)} Max (mΩ)								Q _g (nC) (typ.)	Internal Connections
							V _{GS} = -1.8 V	V _{GS} = -2.0 V	V _{GS} = -2.5 V	V _{GS} = -4 V	V _{GS} = -4.5 V	V _{GS} = -7 V	V _{GS} = -10 V			
TSON Advance 		TPCC8131	-30	-25/+20	-10	20	—	—	—	—	23	—	17.6	40	(1)	
		TPC8133	-40	-25/+20	-15	26	—	—	—	—	—	—	18.9	26	(1)	
SOP Advance 	Pch Single	TPCA8124	-40	-25/+20	-12	1.9	—	—	—	10	—	8	104	(1)		
		TPCA8105	-12	±8	-6	20	92	—	51	—	33	—	18	(1)		
		TPCA8109	-30	-25/+20	-24	30	—	—	—	13	—	9	56	(1)		
		TPCA8128	-30	-25/+20	-34	45	—	—	—	6.7	—	4.8	115	(1)		
		TPCA8106	-30	±20	-40	45	—	—	7.8	—	—	3.7	130	(1)		
		TPCA8120	-30	-25/+20	-45	45	—	—	—	4.0	—	3.0	190	(1)		
		TPCA8107-H	-40	±20	-7.5	30	—	—	—	37	—	30	27	(1)		
		TPCA8108	-40	±20	-40	45	—	—	—	—	—	9.5	100	(1)		
		TPCA8104	-60	±20	-40	45	—	—	24	—	—	16	90	(1)		

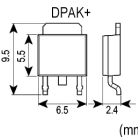
P.40 $|V_{DS}| \leq 250\text{ V}$ (Power MOSFETs) (P-ch MOSFETs)

Wrong

Package	Polarity	Part Number	V _D (V)
		2SJ439	—
		TJ10S04K3L	—
Pch Single		TJ20S04K3L	—
		TJ40S04K3L	—
		TJ60S04K3L	—
		TJ80S04K3L	—
		TJ8S06K3L	—
		TJ15S06K3L	—
		TJ30S06K3L	—
		TJ50S06K3L	—
		TJ60S06K3L	—

See page 72 of the book version.

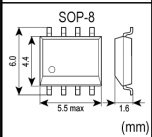
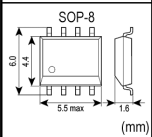
Right

Package	Polarity	Part Number	V _D (V)
		2SJ439	—
		TJ10S04M3L	—
Pch Single		TJ20S04M3L	—
		TJ40S04M3L	—
		TJ60S04M3L	—
		TJ80S04M3L	—
		TJ8S06M3L	—
		TJ15S06M3L	—
		TJ30S06M3L	—
		TJ50S06M3L	—
		TJ60S06M3L	—

P.42 |V_{DSS}|≤60 V (Power MOSFETs) (Complementary MOSFETs)

See page 74 of the book version.

Wrong

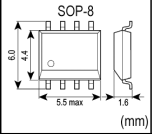
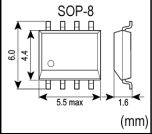
Package	Polarity	Part Number	V _{DSS} (V)	V _{GSS} (V)	I _D (A)	R _{DS(ON)} Max (mΩ)						C _{iss} (pF)	Q _g (nC) (typ.)	Internal FET	Internal Connections
						V _{GS} = 1.5 V	V _{GS} = 1.8 V	V _{GS} = 2.5 V	V _{GS} = 4.0 V	V _{GS} = 4.5 V	V _{GS} = 10 V				
	N-ch + P-ch	SSM6N39TU	-30	±20	1.6	247	190	139	—	42	31.3	265	SSM6N39TU	—	
		TPCP8406	40	±20	6	—	—	—	—	36	32	—	13.7	—	
	N-ch + P-ch	TPCP8407	30	±20	9	—	—	—	—	21	17	1190	17	—	
		TPCP8407	-30	±20	-7.4	—	—	—	—	23	29	1650	39	—	
		TPCP8408	40	±20	6.1	—	—	—	—	43.2	32	850	14	—	
		TPCP8408	-40	±20	-5.3	—	—	—	—	53.4	36	1105	24	—	

• Contact the Toshiba sales representative for information about RoHS compliance before you purchase any components.

*: New product



Right

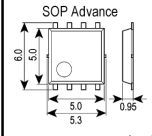
Package	Polarity	Part Number	V _{DSS} (V)	V _{GSS} (V)	I _D (A)	R _{DS(ON)} Max (mΩ)						C _{iss} (pF)	Q _g (nC) (typ.)	Internal FET	Internal Connections
						V _{GS} = 1.5 V	V _{GS} = 1.8 V	V _{GS} = 2.5 V	V _{GS} = 4.0 V	V _{GS} = 4.5 V	V _{GS} = 10 V				
	N-ch + P-ch	SSM6N39TU	-30	±20	1.6	247	190	139	—	42	31.3	265	SSM6N39TU	—	
		TPCP8406	40	±20	6	—	—	—	—	36	32	—	13.7	—	
	N-ch + P-ch	TPC8407	30	±20	9	—	—	—	—	21	17	1190	17	—	
		TPC8407	-30	±20	-7.4	—	—	—	—	29	23	1650	39	—	
		TPC8408	40	±20	6.1	—	—	—	—	36	32	850	14	—	
		TPC8408	-40	±20	-5.3	—	—	—	—	53	43	1105	24	—	

• Contact the Toshiba sales representative for information about RoHS compliance before you purchase any components.

*: New product

P.45 (MOSFET + SBD)

See page 77 of the book version.

Package	Polarity	Part Number	V _{DSS} (V)	V _{GSS} (V)	I _D (A)	P _D (W)	MOSFET						C _{iss} (pF)	V _R (V)	I _O (A)	SBD				Q _g (nC) (typ.)	Internal Connections	
							R _{DS(ON)} Max (mΩ)									V _F Max (V)						
							V _{GS} = 1.8 V	V _{GS} = 2.0 V	V _{GS} = 2.5 V	V _{GS} = 4.0 V	V _{GS} = 4.5 V	V _{GS} = 10 V				I _F = 1.0 A	I _F = 0.5 A	I _F = 0.3 A	I _F = 0.1 A			
	N-ch + P-ch	TPC8A04-H	30	±20	18	1.9	—	—	—	—	4.5	3.6	—	—	—	—	—	—	—	56	(1)	
		TPCA8A05-H	30	±20	20	30	—	—	—	—	17.2	12.9	—	—	—	—	—	—	—	15	(1)	
		TPCA8A02-H	30	±20	34	45	—	—	—	—	6.7	5.3	—	—	—	—	—	—	—	36	(1)	
		TPCA8A08-H	30	±20	30	18	—	—	—	—	—	8.0	4.2	8000	—	—	—	—	—	—	16	(1)
		TPCA8A04-H	30	±20	44	45	—	—	—	—	—	4.1	3.2	—	—	—	—	—	—	—	39	(1)

◇: Monolithic

• Contact the Toshiba sales representative for information about RoHS compliance before you purchase any components.