

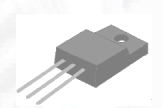
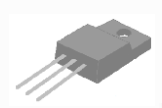
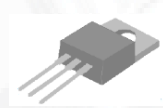

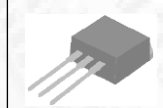


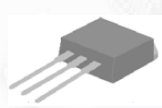



MOSFET Product Guide



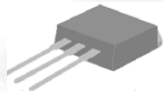
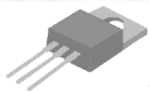
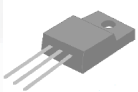
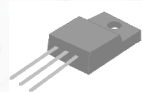
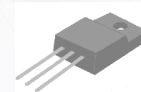
Jan 2024



SA/SL/SC/SE Series

Package Draw										
VDS (V)	$R_{DS(ON)}$ @VGS=10V (mΩ)	TO-220F (I)	TO-220F-NL (IN/IT)	TO-220 (P)	TO-252 (H)	TO-262 (R)	TO-263 (S)	TO-247 (W)	TO-251S (JB)	PDFN8x8 (DT8) TOLL (TL)
600	30									XP60SE030DTL
	45							XP60SC045QWL		XP60SE040DTL
	60							XP60SC060QWL		XP60SC065DDT8 XP60SC060ADTL
	95		XP60SC095DIT XP60SC085DIT XP60BM095IT					XP60SC095DWL XP60BM095WL		XP60SC085DDT8 XP60SC099DDT8 XP60SC090DTL
	130	XP60SA115DI	XP60SC120DIT XP60BM115IT	XP60SA115DP XP60SC120DP		XP60SA115DR XP60SC120DR				XP60SA125DDT8 XP60SC125DDT8 XP60BM125DT8
	160	XP60SL160DI	XP60SC160IT XP60BM160IT	XP60SL160DP	XP60SE150DH	XP60BM160R	XP60SL160DS			XP60SE150DDT8
	190	XP60SA180DI	XP60SA180DIN XP60SC180DIT	XP60SA180DP XP60SC180DP	XP60SC200DH XP60CM190EH	XP60SA180DR				XP60SA190DDT8 XP60SC200DDT8 XP60CM190EDT8
	280	XP60SA290ADI	XP60SA290ADIT XP60SC280ADIT	XP60SA290DP	XP60SA310ADH XP60SC280ADH		XP60SA290DS	XP60SA290DWL		
	380	XP60SA380ADI XP60SC380DI	XP60SA380ADIT XP60SC380DIT		XP60SA400ADH XP60SC380DH					
	600		XP60SC600DIT		XP60SC600DH					
650	< 99			XP65SL099DP				XP65SA074FWL		
	130	XP65SA130DI		XP65SA130DP		XP65SA130DR				
	145									XP65SA145DDT8 XP65SA145ADTL
	190	XP65SA190ADI	XP65SA190DIN XP65SC190DIT XP65CM220EIT	XP65SA190ADP	XP65SC220DH XP65SE190DH XP65CM220EH	XP65SA190DR				XP65SA210DDT8 XP65SE190DDT8 XP65CM220EDT8
	280		XP65SA280DIN		XP65SA320DH					
	380	XP65SA420DI	XP65SA420DIN XP65SC380DIT		XP65SA420DH XP65SC360DH XP65SC420DH	XP65SA420DR XP65SA430ADR				
	600		XP65SA600DIN		XP65SA600DH					
700	380	XP70SL380AI	XP70SC360DIT		XP70SL380AH		XP70SL380AS		XP70SL380AJ	
	950	XP70SL950AI			XP70SL950AH				XP70SL950AJB	
	1400	XP70SL1K4AI			XP70SL1K4AH XP70SC1K4DH				XP70SL1K4AJB XP70SL1K4BJB	
800	450	XP80SA400DI								
	990				XP80SL990BH					




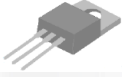
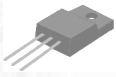
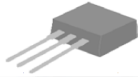


Planar / AN Series

Package Draw								
VDS (V)	R _{DS(ON)} @VGS=10V (mΩ)	TO-251 (J)	TO-252 (H)	TO-263 (S)	TO-220 (P)	TO-220CFM (I)	TO-220CFM-NL (IN)	TO-220CFM-T (IT)
200	160	XP20AN160J	XP20AN160H		XP20AN160P	XP20AN160I		
500	270					XP50AN270I	XP50AN270IN	
	500				XP50AN500P	XP50AN500I	XP50AN500IN	XP50AN500IT
	680				XP50AN680P	XP50AN680I		
	1000		XP50AN1K0H			XP50AN1K0I		
	1500		XP50AN1K5H		XP50AN1K5P	XP50AN1K5I		
	1700					XP50AN1K7FI		
600	650						XP60AN650IN	XP60AN650IT
	750						XP60AN750IN	XP60AN750IT
	1100				XP60AN1K1P	XP60AN1K1I	XP60AN1K1IN	
	1300	XP60AN1K3J						XP60AN1K3IT
	1500					XP60AN1K5FI		
	2300	XP60AN2K3J	XP60AN2K3H			XP60AN2K3I		
4800	XP60AN4K8J	XP60AN4K8H					XP60AN4K8IT	
650	470					XP65AN470I		XP65AN470IT
	750			XP65AN750H	XP65AN750P		XP65AN750IN	XP65AN750IT
	1200			XP65AN1K2S	XP65AN1K2P		XP65AN1K2IN	XP65AN1K2IT
	2500		XP65AN2K5H			XP65AN2K5I	XP65AN2K5IN	
700	1000					XP70AN1K0I		
	1400					XP70AN1K4I		
	3300		XP70AN3K3H			XP70AN3K3I		




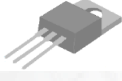
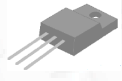



N MOSFET (SGT)

Package Draw											
VDS (V)	R _{DS(ON)} @V _{GS} =10V (mΩ)	PMPAK-3X3 (YT)	PMPAK-5X6 (MT/CMT/CST/XT)	SO-8 (M)	TO-220 (P)	TO-220CFM (I/IT)	TO-251 (J/JB/JV)	TO-252 (H)	TO-262 (R) TO-263 (S)	TOLL (TL) SSPAK-8X8 (CST8)	
30	0.58		XP4086CXT								
	0.68		XP3NAR68CXT								
	1.4		XP4056MT								
	2.25	XP4104CYT	XP4060CMT								
	2.6		XP4102CMT XP4108CMT								
	3		XP4064CMT XP4084CMT XP4114CMT								
	4		XP4054CMT								
	4.5		XP4062CMT XP4112CMT								
	5.5		XP4072CMT								
	7	XP4052YT	XP4052CMT								
40	0.72		XP4NAR72CXT								
	0.85		XP4NAR85CMT								
	1.5		XP4NA1R5HCST XP4NA1R6HCMT								
	2.4	XP4NA2R3CYT	XP4NA2R8MT XP4NA2R2HCST XP4NA2R6CMT		XP4NA2R4P	XP4NA2R4I		XP4NA2R4H			
	3.3		XP4NA3R5HCST			XP4NA3R3IT					
	3.8				XP4N3R6P			XP4NA3R8H			
45	0.95		XP4NAR95CMT-A								
	1.4		XP4NA1R4CMT-A								
	1.8		XP4N1R8CMT-A								
60	1.2		XP6NA1R2LCXT							XP6NA1R0CST8	
	1.4		XP6NA1R4CXT								
	1.7		XP6NA1R7CMT XP6NA1R7LCMT								
	2		XP6N2R0QCMT		XP6N2R0P	XP6N2R0I					
	2.4		XP6NA2R8MT XP6NA2R3MT		XP6NA2R4P	XP6NA2R4IT XP6NA2R7IT		XP6NA2R5H			
	3.2		XP6NA3R2CST XP6NA3R2MT XP6NA3R3LMT			XP6NA3R3LI		XP6NA3R0H			
	3.5		XP6NA4R0MT		XP6N3R5P XP6NA3R5P	XP6NA3R5IT	XP6NA6R5JV	XP6NA3R5H XP6NA3R8H	XP6NA3R5R XP6NA3R5S		
	4.2							XP6NA4R2H			
	4.8		XP6NA4R8CST		XP6NA4R6P						
	5.8		XP6NA5R8LMT-L								
	6				XP6N6R0P						
	6.5		XP6N6R5MT XP6NA6R5LMT-L	XP6N6R5M		XP6N6R5I	XP6NA6R5JV	XP6N6R5H XP6NA6R5H			
	6.8			XP6N6R8ALM			XP6N6R8ALJV	XP6N6R8ALH			
8.0		XP6NA8R0CST									
80	2.6		XP8NA2R2CXT								
	3.5		XP8N3R5CMT								
	4.2		XP8N4R2MT								
	8.8			XP8N010LM	XP8N8R0P	XP8N8R0I	XP8N8R0J	XP8N8R0H XP8N8R0LH			
100	1.5									XP10NA1R5TL XP10NB2R0TL XP10NB2R3CST8	
	2.3										
	3.0		XP10NB3R0CXT								
	3.8		XP10N3R5XT XP10NB3R4LCMT		XP10N3R8P	XP10N3R8IT		XP10NB4R2LH	XP10N3R8S		
	5.0		XP10NB5R0LXT XP10NB5R0XT					XP10NB5R5H			
	6.9		XP10NB6R9CST								
	7.9				XP10N7R9P	XP10N7R9I	XP10N7R5J	XP10N7R5H	XP10N7R9R		
	8.2		XP10NA8R2LMT		XP10NA8R2LP	XP10NA8R2LIT	XP10NA8R2LJV	XP10NA8R2LH			
	8.4		XP10NA8R4MT		XP10NA8R4P	XP10NA8R4IT		XP10NA8R4H	XP10NA8R4R		
	8.8				XP10N8R8P	XP10N8R8I			XP10N8R8R		
	11	XP10NA014YT	XP10NA014MT			XP10NA011IT	XP10NA011J XP10NA011JV	XP10NA011H XP10NA011LH			
28	XP10TN028YT	XP10TN028MT XP10NA034MT	XP10TN030M				XP10N024H				

N MOSFET (SGT)

Package Draw										
VDS (V)	R _{DS(ON)} @V _{GS} =10V (mΩ)	PMPAK-3X3 (YT)	PMPAK-5X6 (MT/CMT/CST/XT)	SO-8 (M)	TO-220 (P)	TO-220CFM (I/IT)	TO-251 (J/JB/JV)	TO-252 (H)	TO-262 (R) TO-263 (S)	TOLL (TL)
120	3.0		XP12NB4R4CMT							XP12NB3R0TL
	7.0		XP12NB7R0CMT		XP12NB7R6P					
	12				XP12NA011P		XP12NA012J	XP12NA012H		
150	3.9									XP15NA3R9TL
	4.4									XP15NA4R4TL
	7.5				XP15NA7R5P	XP15NA7R5I				
	9.3		XP15NA9R3CXT							
	11					XP15NA011IT				
	19		XP15NA019MT			XP15NA019IT				
	27		XP15NA027MT					XP15NA027H		
59		XP1504YT	XP1504MT	XP1504LM						

N MOSFET (Trench)

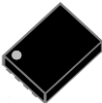

Package Draw									
VDS (V)	R _{DS(ON)} @VGS=10V (mΩ)	PMPAK-3X3 (YT)	PMPAK-5X6 (MT/CMT)	SO-8 (M)	TO-220 (P)	TO-220CFM (I)	TO-251 (J/JB/JV)	TO-252 (H)	TO-263 (S)
20	12		XP2N012MT	XP2N012M					
	20							XP9T16AGH	
	50							XP2N050H	
30	0.85		XP3NR85CMT						
	1.05		XP3N1R0MT						
	1.8		XP3N1R8MT						
	2.1		XP3N2R2MT		XP3N2R1P			XP3N2R1H	
	2.4		XP3NA2R4MT		XP3N2R4P				
	2.8		XP3N2R8AMT						
	3.3		XP3NA3R4AMT XP4070CMT	XP3N3R3M					
	4	XP3NA4R2YT XP3NA4R2AYT			XP3N4R0P	XP3N4R0I		XP3N4R0H	XP3N4R0S
	4.5	XP4024EYT	XP4024GEMT	XP4024EM					
	5	XP3N5R0YT XP3N5R0AYT	XP3N5R0MT XP3N5R0AMT				XP3N5R0JV	XP3N5R0H XP3N5R0AH	
	7.5	XP3NA7R2AYT	XP3NA7R2AMT						
	8.5	XP3NA8R5YT	XP3NA8R5MT						
	9	XP3N9R5YT	XP3N9R5MT	XP3N9R5AM			XP4028EJB	XP3N9R5H	
	11.5			XP4028EM					
	12	XP4438GYT							
18			XP4800GEM						
20	XP3N020YT			XP3N020P					
40	2.1		XP4N2R1MT XP4N2R1AMT		XP4N2R1P				
	2.6		XP4N2R5MT		XP4N2R6P		XP4N2R6J	XP4N2R6H	XP4N2R6S
	4.2		XP4N4R2MT					XP4N4R2H	
	13.5							XP4N013H	
	18				XP4626P			XP4626H	
60	6								
	21	XP6N021YT		XP6N021M					
	90			XP6N090M					
	100						XP6N100J	XP6N100H	
100	135			XP10TN135M			XP10TN135J	XP10TN135H	

P MOSFET

Package Draw									
VDS (V)	R _{DS(ON)} @VGS=10V (mΩ)	PMPAK-3X3(YT) 2928-8 (Y)	PMPAK-5X6(MT)	SO-8(M)	TO-220(P)	TO-220CFM(I)	TO-251(J) TO-251S(JB)	TO-252(H)	TO-263(S)
-20	8	XP2P9R0LYT							
	20	XP2P020YT		XP2P020M					
	28			XP2P028EM					
	30			XP4413GM					
	150							XP2P150H	
-30	3		XP3P3R0MT XP4469MT						
	7	XP4461YT	XP3P7R0EMT XP4463MT	XP3P7R0EM	XP3P7R0EP	XP3P7R0EI	XP3P7R0EJB	XP3P7R0EH	XP3P7R0ES
	10	XP3P010YT	XP3P010AMT	XP3P010M		XP3P010I		XP3P010H	
	13	XP4459YT		XP4459M				XP4459H	
	14				XP4407GP	XP4407I			XP4407GS
	17	XP4457JY-RU							
	20	XP3P021YT	XP3P021MT	XP3P020M XP3P021M			XP3P020J	XP3P020H XP3P021H	
	28			XP3P028LM		XP40P03GI		XP40P03GH	
-40	13.5				XP4P013LEP	XP4P013EI		XP4P012LEH	XP4P013LES
	16				XP4P016P	XP4P016I	XP9561GJ	XP4P016H	
	18			XP4P018M					
	40			XP4P040M			XP4P040J	XP4P040H	
	42							XP9565AGH	
	52			XP4P052AM				XP4P052AH	
	90			XP9569GM					
-60	25			XP6P025M	XP6P025P	XP6P025I		XP6P025H	XP6P025S
	50				XP6P050P	XP6P050I		XP6P050H	XP6P050S
	160							XP9578GH	
	170			XP9578GM					
-80	180		XP9585GM						
-100	22		XP10P022MT						
	67	XP10P067YT	XP10P067MT						
	80				XP30P10GP	XP30P10GI		XP30P10GH	XP30P10GS
	120								
	135	XP10P135YT		XP10P135M			XP18P10AGJ	XP18P10AGH	
	160								XP18P10GS
	180			XP18P10GM			XP18P10GJ		
	230				XP15P10GP	XP15P10GI	XP15P10GJ	XP15P10GH	
500						XP10P10GJ			
-150	53		XP1501MT						
	1000	XP15TP1R0YT		XP15TP1R0M					
-200	680				XP08P20GP		XP9120GH		

Dual N / Dual P MOSFET

*Under Developing *New Available

Package Draw						
VDS (V)	R _{DS(ON)} @VGS=10V (mΩ)	SOT-26	PMPAK-3X3(YT) 2928-8 (Y)	PMPAK-5X6(MT)	SO-8(M)	TSSOP-8(O)
20	2.5	XP2906EY				
	16		XP9938AGEY			
	18				XP9938GEM	XP9938GEO
	28					
	30				XP9926GM	
30	1.9/5			XP3832CDT		
	2.5/5.5			XP6932MT XP6934MT		
	4.7/3.7		XP3840CDT33			
	5.2/4.2		XP3838CDT33			
	5/11.5			XP3D5R0MT		
	7/11			XP6923GMT		
	8.5/10.8		XP3800YT			
	10			XP3A010AMT	XP3A010AM	
	13		XP4242YT XP4242AYT			
	20		XP3A020Y XP3802YT		XP3A020M	
	35				XP3A035EM	
	50				XP9936GM	
72	XP2626GY					
40	12			XP4804MT		
	20/40			XP6926GMT		
	21			XP4A021M		
	25			XP9962AGM XP4A025M		
60	38			XP6A038MT	XP6A038M	
	50				XP9971AGM	
	100				XP6A100M	
80	52				XP9980GM	
100	35			XP10A035MT		
	185				XP10A185M	
	250		XP10A250YT	XP10A250MT		

-20	45				XP4955GM	
-30	20				XP3B020M	
	36				XP4963GEM	
	170		XP2623GY			
	185		XP2625GY			
-60	96				XP4951GM	

Complementary MOSFET

*Under Developing *New Available

Package Draw							
VDS (V)	R _{DS(ON)} @VGS=10V (mΩ)		PMPAK-3X3(YT) 2928-8 (Y)	PMPAK-5X6(MT)	SO-8(M)	TO-252-4L(H)	SOT-26
	N	P					
20/-20	32	80	XP2535GEY		XP2C030LM		
30/-30	10	22			XP3C011M	XP3C011H	
	10.4	23.5		XP3C023AMT			
	13.5	20				XP3C011H	
	17.8	30	XP3C017AY XP3C017AYT				
	17.8	35	XP3C017BY-RU				
	20	45	XP3700Y/YT	XP3700MT	XP3700M		
	35	48	XP3702YT				
	35	80	XP3CA035EJY/YT-RU				
40/-40	72	150					XP2530AGY
	28	42			XP4525GEM	XP4525GEH	
	36	68			XP4530GEM		
60/-60	78	205					XP4C205Y
	36	75			XP6C036M	XP6C036H	
	58	90	XP6C058YT				
	36	90		XP6C036AMT	XP6C036AM		
100/-100	72	125			XP4578GM	XP4578GH	
	48	60		XP5529LMT	XP10C135M		
	135	155			XP10C135M		
	150	160	XP10C155YT	XP10C150MT	XP10C150M	XP10C150H	
120/-120	325	470	XP10C325Y				
	220	360	XP4579JY				

Small Signal MOSFET

*Under Developing *New Available

Package Draw								
VDS (V)	R _{DS(ON)} @VGS=10V (mΩ)	DFN2X2(N2)	SOT-223(K)	SOT-23(N) SOT-23S(N)	SOT-26(Y)	SOT-323(U)	SOT-89(G)	SOT-723(N1)
20	12.5	XP6982GN2						
	22			XP2344GN				
	25			XP2N025LN				
	30			XP2N030EN	XP2N030EY			
	38						XP2N050G	
	42			XP2302AGN				
	50					XP1334GEU		
	75			XP2N075EN				
	90			XP2322GN				
	600			XP2308GEN		XP1332GEU		
30	1200							XP2N1K2EN1
	14	XP6980GN2						
	18	XP4800N2						
	28			XP3N028EN	XP3N028EY			
	35			XP3N035N				
	42			XP2326GN				
	45			XP3N045EN XP3N045LEN				
	50			XP2306AGEN				
	55			XP2328GN				
	117			XP2304AGN				
50	1500			XP2318BEN				
	160			XP5600N				
	2200							XP5N2K2EN1
60	50		XP9970GK					
	90		XP6N090K	XP6N090N	XP6N090Y		XP6N090G	
	2000			XP2N7002K		XP2N7002KU		
90	240			XP2330GN				
	55		XP30T10GK					
100	135		XP10TN135K	XP10TN135N				
	300		XP09T10GK					
	5000			XP2320GN				
	1500			XP15TN1R5N				
200	1200		XP04N20GK					
600	72000			XP60PN72REN				

-20	28	XP2P028EN2		XP2P028EN				
	38			XP2P038N	XP2P038Y			
	52			XP2P052N	XP2P052Y			
	53			XP2P053N	XP2P053Y			
	90			XP2325GEN				
	135			XP2P130EN			XP9451GG	
	600					XP1333GU		
-30	48			XP3P048N				
	50		XP3P050AK	XP3P055N XP3P052EN			XP3P050AG	
	60			XP3P080N				
	75				XP2605GY			
	90			XP3P090N				
	95			XP3601N				
	1250			XP2315GEN				
-40	40		XP4P040K					
	90			XP4P090N				
-60	250		XP6P250K	XP6P250N				
	160		XP18P10GK					
-100	500			XP10P500N				
	1000			XP10P1K0N				
	1000				XP15TP1R0Y			