

Specifications List by Part Number

Part Number	Absolute Maximum Ratings																
	V _{DSS}	V _{GSS}	I _D	I _D (pulse)	P _D	E _{AS}	I _{GSS}		I _{BSS}		V _{TH}						
	(V)	(V)	(A)	(A)	(W)	(mJ)	(nA)	Conditions	(μA)	Conditions	(V)	Conditions					
								V _{GS}					V _{DS}	V _{DS}	I _D		
							max	(V)	min	max	(V)	min	max	(V)	(μA)		
2SJ424*	-60	±20	±5	±20	25	-	±500	±20		-50	-60	-2.0	-4.0	-10	-250		
2SJ425	-60	±20	±8	±32	30	-	±500	±20		-250	-60	-2.0	-4.0	-10	-250		
2SK1177	500	±20	±2.5	±10	30	200	±500	±20		250	500	2.0	4.0	10	250		
2SK1179	500	±20	±8.5	±34	85	400	±500	±20		250	500	2.0	4.0	10	250		
2SK1180	500	±20	±10	±40	85	500	±500	±20		250	500	2.0	4.0	10	250		
2SK1181	500	±20	±13	±52	85	660	±500	±20		250	500	2.0	4.0	10	250		
2SK1183	200	±20	±3	±12	25	30	±500	±20		250	200	2.0	4.0	10	250		
2SK1184	200	±20	±5	±20	30	67	±500	±20		250	200	2.0	4.0	10	250		
2SK1185	100	±20	±5	±20	25	16	±500	±20		250	100	2.0	4.0	10	250		
2SK1186	100	±20	±9	±36	30	32	±500	±20		250	100	2.0	4.0	10	250		
2SK1187	100	±20	±12	±48	35	58	±500	±20		250	100	2.0	4.0	10	250		
2SK1188	60	±20	±10	±40	25	2.1	±500	±20		250	60	2.0	4.0	10	250		
2SK1189	60	±20	±15	±60	30	6.2	±500	±20		250	60	2.0	4.0	10	250		
2SK1190	60	±20	±22	±88	35	17	±500	±20		250	60	2.0	4.0	10	250		
2SK1191	60	±20	±30	±120	40	38	±500	±20		250	60	2.0	4.0	10	250		
2SK1192	60	±20	±40	±160	90	38	±500	±20		250	60	2.0	4.0	10	250		
2SK1712	60	±10	±15	±60	30	6.2	±500	±10		250	60	1.0	2.0	10	250		
2SK2419	60	±20	±25	±100	35	26	±100	±20		100	60	2.0	4.0	10	250		
2SK2420	60	±20	±30	±120	40	38	±100	±20		100	60	2.0	4.0	10	250		
2SK2421	60	±20	±40	±160	40	60	±100	±20		100	60	2.0	4.0	10	1m		
2SK2701	450	±30	±7	±28	35	130	±100	±30		100	450	2.0	4.0	10	1m		
2SK2702*	450	±30	±10	±40	35	300	±100	±30		100	450	2.0	4.0	10	1m		
2SK2704	450	±30	±13	±52	40	400	±100	±30		100	450	2.0	4.0	10	1m		
2SK2706*	450	±30	±18	±72	85	700	±100	±30		100	450	2.0	4.0	10	1m		
2SK2707*	600	±30	±4.5	±18	35	50	±100	±30		100	600	2.0	4.0	10	1m		
2SK2708	600	±30	±7	±28	40	150	±100	±30		100	600	2.0	4.0	10	1m		
2SK2709*	600	±30	±8.5	±34	85	300	±100	±30		100	600	2.0	4.0	10	1m		
2SK2710A	600	±30	±12	±48	85	400	±100	±30		100	600	2.0	4.0	10	1m		
2SK2778	100	±20	±12	±48	30	70	±100	±20		100	100	1.0	2.0	10	250		
2SK2779	100	±20	±20	±80	35	200	±100	±20		100	100	1.0	2.0	10	250		
2SK2803	450	±30	±3	±12	30	30	±100	±30		100	450	2.0	4.0	10	1m		
2SK2805*	450	±30	±15	±60	80	550	±100	±30		100	450	2.0	4.0	10	1m		
2SK2848	600	±30	±2	±8	30	10	±100	±30		100	600	2.0	4.0	10	250		
2SK2943	900	±30	±3	±12	30	60	±100	±30		100	900	2.0	4.0	10	1m		
2SK2945	900	±30	±5	±20	35	120	±100	±30		100	900	2.0	4.0	10	1m		
2SK3002*	200	±20	±8	±32	30	55	±100	±20		100	200	2.0	4.0	10	1m		
2SK3003	200	±20	±18	±72	35	120	±100	±20		100	200	2.0	4.0	10	1m		
2SK3004	250	±20	±18	±72	35	120	±100	±20		100	250	2.0	4.0	10	1m		
2SK3199	500	±30	±5	±20	30	35	±100	±30		100	500	2.0	4.0	10	1m		
2SK3200	500	±30	±10	±40	35	50	±100	±30		100	500	2.0	4.0	10	1m		
2SK3332	150	+20, -10	±12	±48	30	100	±100	+20, -10		100	150	1.0	2.0	10	250		
2SK3460	150	+20, -10	±18	±72	35	180	±100	+20, -10		100	150	1.0	2.0	10	250		
2SK3710*	60	±20	±70	±140	90	468	±10μ	±15		100	60	2.0	4.0	10	1m		
2SK3711*	60	±20	±70	±140	130		±10μ	±15		100	60	2.0	4.0	10	1m		
2SK3724*	60	±20	±80	±160	80	400	±10μ	±20		100	60	1.0	2.0	10	1m		
2SK3800	40	±20	±70	±140	80	400	±10	±15		100	40	2.0	4.0	10	1m		
2SK3801	40	±20	±70	±140	100	400	±10	±15		100	40	2.0	4.0	10	1m		
2SK3851*	60	±20	±85	±280	150	280	±10μ	±20		100	60	2.0	3.0	10	1m		
FKV460S	40	+20, -10	±60	±180	60		+10, -5μ	+20, -10		100	40	1.0	2.5	10	250		
FKV550T	50	±20	±50	±150	35	150	±10μ	±20		100	50	1.0	2.5	10	250		

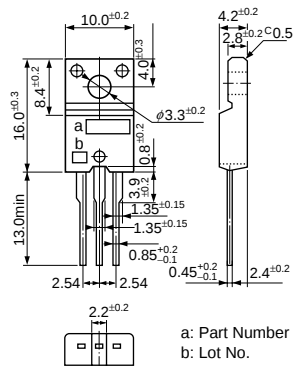
*Under development

Electrical Characteristics																	Package Type
	Re (yfs)				Ciss	Crss	Rds (on)										
	(S)		Conditions				Conditions		(Ω)		Conditions		(Ω)		Conditions		
			Vbs	Id	Vgs	Vds					Vgs	Id			Vgs	Id	
	min	typ	(V)	(A)	(pF)	(pF)	(V)	(V)	typ	max	(V)	(A)	typ	max	(V)	(A)	
	1.0	1.6	−10	−2.5	270		0	−25	0.35	0.5	−10	−2.5					TO220F (FM20)
	1.8	2.8	−10	−4	580		0	−25	0.2	0.28	−10	−4					TO220F (FM20)
	1.5	2.3	10	1.4	350		0	25	2.6	3.0	10	1.4					TO220F (FM20)
	5.1	7.7	10	4.5	1300		0	25	0.7	0.85	10	4.5					TO220F (FM20)
	6.1	9.2	10	5	1800		0	25	0.5	0.6	10	5					TO3PF (FM100)
	8.5	13	10	6.5	2700		0	25	0.35	0.4	10	6.5					TO3PF (FM100)
	0.8	1.2	10	1.5	140		0	25	1.2	1.5	10	1.5					TO220F (FM20)
	1.3	2.5	10	2.5	260		0	25	0.5	0.8	10	2.5					TO220F (FM20)
	1.5	1.7	10	2.5	180		0	25	0.41	0.54	10	2.5					TO220F (FM20)
	2.4	3.7	10	4.5	350		0	25	0.24	0.27	10	4.5					TO220F (FM20)
	4.4	6.5	10	6	650		0	25	0.12	0.16	10	6					TO220F (FM20)
	2.2	3.3	10	5	300		0	25	0.15	0.2	10	5					TO220F (FM20)
	4.2	6.2	10	8	640		0	25	0.07	0.1	10	8					TO220F (FM20)
	7.3	11	10	12	1300		0	25	40m	50m	10	12					TO220F (FM20)
	13	20	10	15	2500		0	25	21m	28m	10	15					TO220F (FM20)
	13	20	10	20	2500		0	25	21m	28m	10	20					TO3PF (FM100)
	5.6	8.4	10	8	820		0	25	0.07	0.1	10	8	0.12	0.14	4	8	TO220F (FM20)
	10	15	10	12	1300	200	0	25	31m	37m	10	12					TO220F (FM20)
	13	20	10	15	2200		0	25	21m	28m	10	15					TO220F (FM20)
	18	25	10	20	2400		0	25	17.5m	20m	10	20					TO220F (FM20)
	3.5	5	20	3.5	720	62	0	10	0.84	1.1	10	3.5					TO220F (FM20)
	5	7	20	5	1000	95	0	10	0.66	0.8	10	5					TO220F (FM20)
	6.0	9.0	20	6.5	1300	130	0	10	0.48	0.57	10	6.5					TO220F (FM20)
	10	15	20	9	2500	260	0	10	0.24	0.3	10	9					TO3PF (FM100)
	2.4	3.5	20	2	560	65	0	10	1.45	1.85	10	2					TO220F (FM20)
	4.0	6.0	20	3.5	950	120	0	10	0.85	1.1	10	3.5					TO220F (FM20)
	5.0	7.0	20	4	1200	150	0	10	0.65	0.85	10	4					TO3PF (FM100)
	7.5	11	20	6	1900	240	0	10	0.42	0.55	10	6					TO3PF (FM100)
	7	11	10	6	740	75	0	10	105m	175m	10	6	130m	220m	4	6	TO220F (FM20)
	12	20	10	10	1630	180	0	10	60m	80m	10	10	75m	95m	4	10	TO220F (FM20)
	1.5	2.1	20	1.5	340	26	0	10	2.1	2.8	10	1.5					TO220F (FM20)
	8.0	11.5	20	7.5	2100	210	0	10	0.30	0.38	10	7.5					TO3PF (FM100)
	1.2	1.7	20	1	290	30	0	10	3	3.8	10	1					TO220F (FM20)
	1.8	2.8	20	1.5	600	40	0	10	4	5	10	1.5					TO220F (FM20)
	2.0	4.5	20	2.5	880	70	0	10	2.3	3	10	2.5					TO220F (FM20)
	2.5	5.5	10	4	450	120	0	10	0.27	0.35	10	4					TO220F (FM20)
	7	11	10	9	850	250	0	10	130m	175m	10	9					TO220F (FM20)
	7	11	10	9	850	250	0	10	0.2	0.25	10	9					TO220F (FM20)
	3.5	5.2	20	2.5	650	110	0	10	1.2	1.5	10	2.5					TO220F (FM20)
	5.0	9.0	20	5	920	190	0	10	0.85	1.1	10	5					TO220F (FM20)
	6	11	10	6	870	210	0	10	0.15	0.2	10	6	0.17	0.23	4	6	TO220F (FM20)
	13	20	10	9	1900	420	0	10	70m	95m	10	9	80m	105m	4	9	TO220F (FM20)
	30	80	10	35	8000	1000	0	10	5m	6m	10	35					TO220S (Surface-mount)
	30	80	10	35	8000	1000	0	10	5m	6m	10	35					TO3P (MT100)
					10600	1300	0	10	4m	5m	10	40					TO220S (Surface-mount)
	30	50	10	35	5100	860	0	10	5.0	6.0	10	35					TO220S (Surface-mount)
	30	50	10	35	5100	860	0	10	5.0	6.0	10	35					TO3P (MT100)
	30		10	42	11500	1100	0	10	4m	4.7m	10	42					TO3P (MT100)
	20		10	25	2800	600	0	10	7m	9m	10	25					TO220S (Surface-mount)
	20		10	25	2700	500	0	10	10m	13m	10	25					TO220F (FM20)

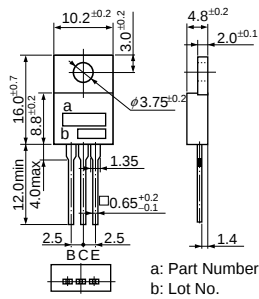
Package Type (Dimensions)

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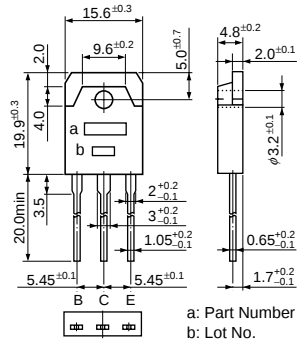
• TO-220F



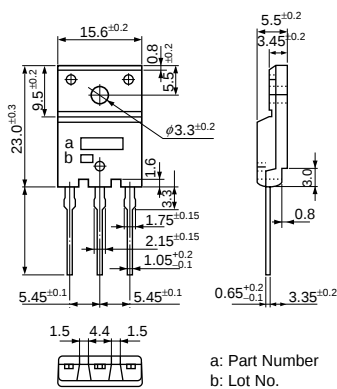
• TO-220



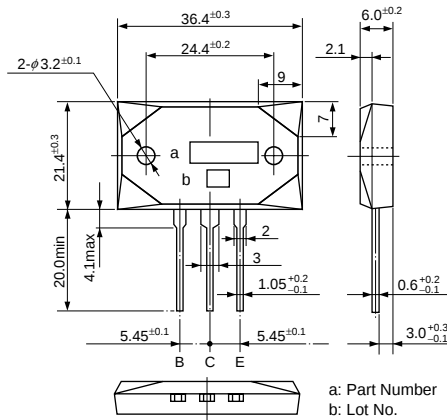
• TO-3P



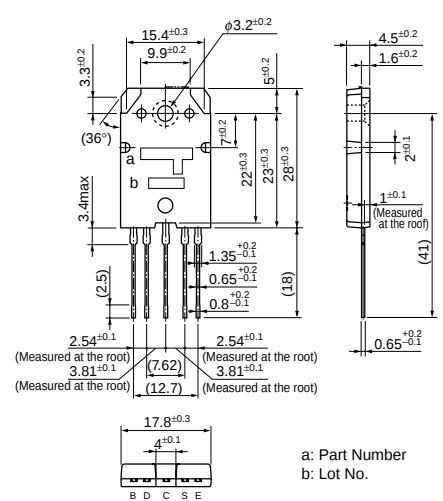
• TO-3PF



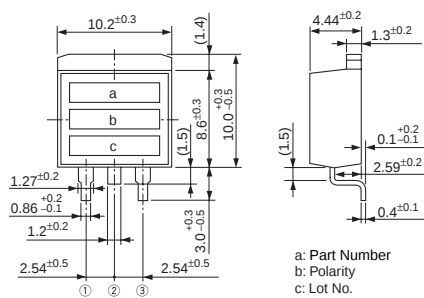
• MT-200



• SAP



• TO-220S



(Unit:mm)