

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	

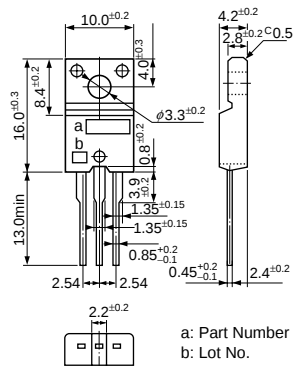
*Under development

Electrical Characteristics																	Package Type
	R _e (yfs)				C _{iss}	C _{rss}	R _{DS} (ON)										
	(S)		Conditions				Conditions		(Ω)		Conditions		(Ω)		Conditions		
			V _{GS}	I _D							V _{GS}	I _D					
															(V)	(A)	
min	typ	(V)	(A)	typ	typ	(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)

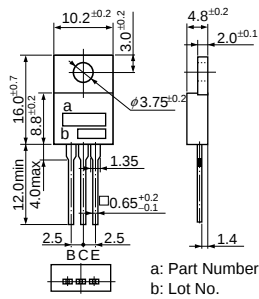
Package Type (Dimensions)

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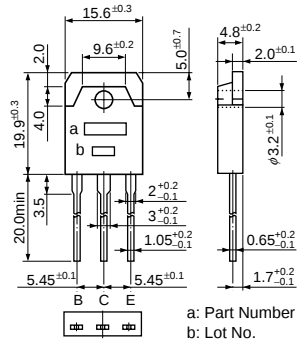
• TO-220F



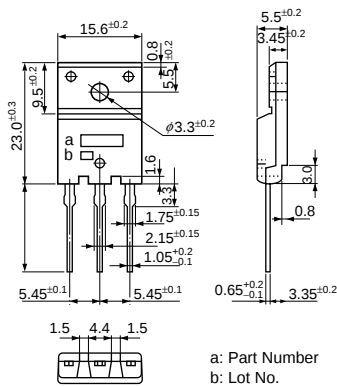
• TO-220



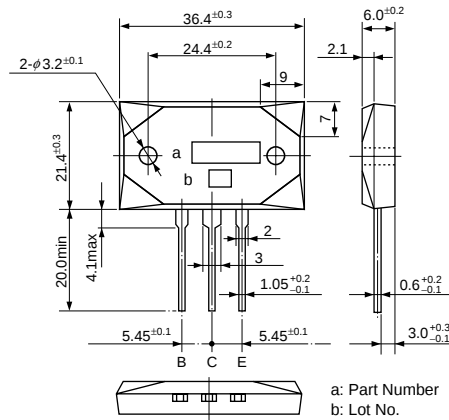
• TO-3P



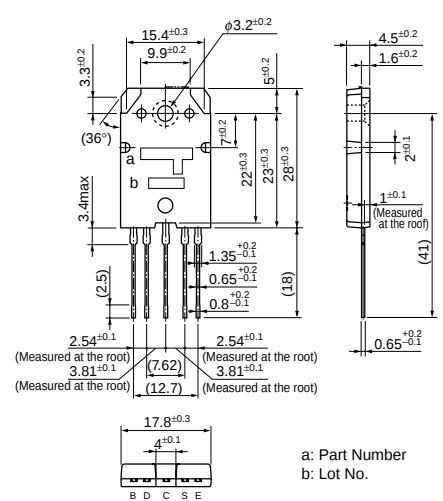
• TO-3PF



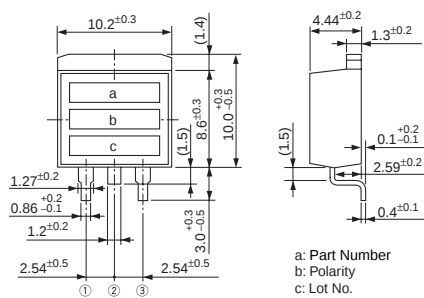
• MT-200



• SAP



• TO-220S



(Unit:mm)