

MOSFETS

T-39-13

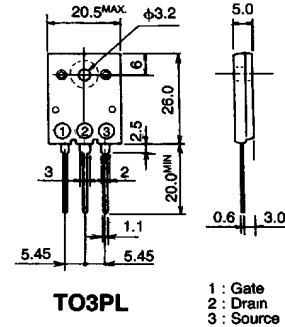


F-II SERIES (toff 30% REDUCED, VGS=30V) (cont'd.)

Device Type	Ratings			Characteristics (Tc=25°C)				Package
	V _{DSS} (V)	I _D (A)	P _D (W)	R _{DS(ON)} (Ω)	g _{fs} (S)	t _{on} (ns)	t _{off} (ns)	
2SK1082	900	6	125	2.8	4.5	145	250	TO3P
2SK962	900	8	150	2	6	280	460	TO3P
2SK1217	900	8	100	2	6	280	460	TO3PF
2SK1512	900	10	150	1.20	6.0	240	525	TO3P
2SK1511	1000	5	100	3.00	3.0	121	285	TO3P

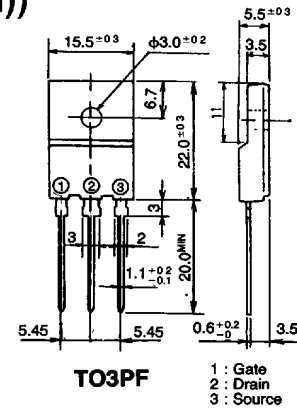
FAP SERIES (High Avalanche Ruggedness)

Device Type	Ratings			Characteristics (Tc=25°C)				Package
	V _{DSS} (V)	I _D (A)	PD	R _{DS(ON)} (Ω)	g _{fs} (S)	t _{on} (ns)	t _{off} (ns)	
2SK1008-01	500	4.5	—	2.20	3	60	130	TO220
2SK1010-01	500	6	—	1.60	4	70	130	TO220
2SK1012-01	500	10	—	.90	6.5	110	240	TO3P
2SK1014-01	500	12	—	.74	8	140	240	TO3P
2SK1016-01	500	15	—	.55	10	170	330	TO3P
2SK1018-01	500	18	—	.45	10	170	330	TO3P
2SK1554-01	650	3	30	4.50	3.0	90	188	TO220F
2SK1553-01	650	5	40	2.50	5.0	85	280	TO220F
2SK951-01	800	2.5	—	7.00	1.8	60	110	TO220F
2SK1023-01	800	4	—	4.50	4	95	170	TO220
2SK1171-01	800	4	—	4.50	4	95	170	TO3P
2SK1081-01	800	7	—	2.20	4.5	145	250	TO3P
2SK956-01	800	9	—	1.50	6	280	460	TO3P
2SK957-01	900	2	—	8.50	1.8	60	110	TO220F
2SK1548-01	900	3.5	40	5.50	4.0	145	255	TO220F
2SK1024-01	900	3.5	—	5.50	4	95	170	TO220
2SK1172-01	900	3.5	—	5.50	4	95	170	TO3P
2SK1082-01	900	6	—	2.80	4.5	145	250	TO3P
2SK962-01	900	8	—	2.00	6	280	460	TO3P



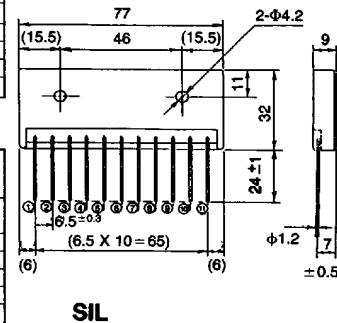
F-III SERIES (LOGIC LEVEL FETs, VGS=4V, LOW RDS(ON))

Device Type	Ratings			Characteristics (Tc=25°C)				Package	
	V _{DSS} (V)	I _D (A)	P _D (W)	R _{DS(ON)} (Ω)		g _{fs} (s)	t _{on} (ns)		t _{off} (ns)
				V _{GS} =4V	V _{GS} =10V				
2SK1505	30	35	40	0.037	0.022	17.0	238	720	TO220F
2SK1388	30	35	60	0.037	0.022	17.0	188	720	TO220
2SK1083	60	8	20	0.35	0.22	6	37	—	TO220F
2SK1096	60	13	30	0.19	0.12	11	40	—	TO220F
2SK1086	60	20	35	0.11	0.07	15	50	—	TO220F
2SK1387	60	35	40	0.056	0.035	18.0	99	760	TO220F
2SK1089	60	35	80	0.056	0.035	18	66	—	TO3P
2SK1389	60	50	125	0.040	0.025	36.0	230	850	TO3P
2SK1390	60	50	80	0.040	0.025	36.0	230	850	TO3PF
2SK1084	100	5	20	0.7	0.5	4.5	35	—	TO220F
2SK1087	100	8	30	0.39	0.28	7	40	—	TO220F
2SK1087	100	12	35	0.24	0.17	10	62	—	TO220F
2SK1090	100	20	80	0.12	0.08	11	55	—	TO3P
2SK1085	150	3	20	1.17	0.9	3	33	—	TO220F
2SK1098	150	6	30	0.65	0.50	6	50	—	TO220F
2SK1088	150	9	35	0.4	0.3	10	50	—	TO220F
2SK1091	150	15	80	0.2	0.15	18	55	—	TO3P



F-V SERIES (FRED MOSFETS)

Device Type	Ratings			Characteristics (Tc=25°C)			Package
	V _{DSS} (V)	I _D (A)	P _D (W)	R _{DS(ON)} (Ω) V _{GS} =10V	g _{fs} (s)	t _{on} (ns)	
2SK1276	250	20	100	.20	12	100	TO3P
2SK1277	250	30	150	.12	20	100	TO3P
2SK1278	500	10	100	1.10	8	150	TO3P
2SK1279	500	15	125	.58	13	150	TO3P
2SK1280	500	18	150	.50	14	150	TO3P



MOSFET MODULES

Device Type	Ratings			Characteristics (Tc=25°C)				Package
	V _{DSS} (V)	I _D (A)	P _D (W)	R _{DS(ON)} (Ω)	g _{fs} (s)	t _{on} (ns)	t _{off} (ns)	
2M150F-050	500	50	400	0.11	45	530	780	Module
2M150S-050	500	50	400	0.11	45	530	780	Module
2M1100F-025	250	100	400	0.032	55	—	—	Module
2M1100F-050	500	100	800	.062	105	185	630	M210
2M1200F-025	250	200	800	.015	150	175	600	M210
6M115FS-050	500	15	60	0.40	13	130	560	SIL Module
6M120FS-025	250	20	40	0.16	12	80	300	SIL Module

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