

Power MOS FETs(3)

The Sanyo J-MOS series utilizes Sanyo's own fine fabrication process for power devices to develop an entire series of ultrahigh performance power devices capable of high voltage, high speed and large current operation.

With performance of wide applications for virtually any types of power electronic equipment, the UH Series, AP Series and LD Series offer the most suitable devices to meet specific needs.

In addition to the above we have Small-signal MOSFETs. See other pages.

LD series (Low Drive)

The LD Series, an ingenious hybrid of the LSI-class fine process and the power process, has higher transfer characteristics and lower on-state resistance. The result is a low voltage drive series which saturates at a VGS bias of 4V.

This series is most effective for a power supply controlled by a 5V drive logic IC.

The surface mounting SMP package enables higher density assembly and higher reliability.

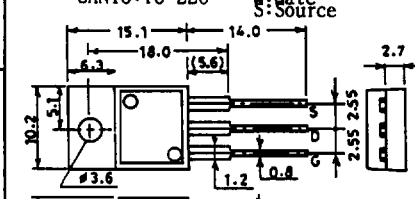
VDSS 30V system

(*: PD value at Tc=25°C) (2SJ type:P channel (-) sign is omitted.) * sign RDS(on):VGS=10V.

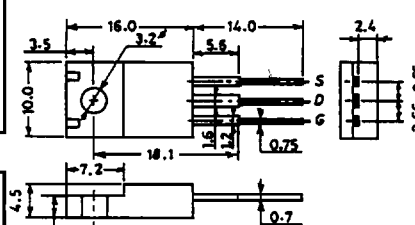
Type No.	Type No.	Absolute Maximum Ratings					Electrical Characteristics/Ta=25°C			Type No.
		V _{DSS} (V)	V _{GSS} (V)	I _D (A)	I _{DP} (A)	* P _D (W)	V _{GS(off)} (V)	* R _{DS(on)} typ/max (Ω)	C _{iss} typ (PF)	
2SJ251 2SJ252 2SJ253 2SK1883 2SK1884 2SK1885	TO-220	30	+15	10	40	50	1 ~ 2	85m/120m	1000	2SJ251
			+20	12	48	60		70m/95m	1300	2SJ252
			+15	20	80	70		40m/55m	2000	2SJ253
			+15	18	72	50		40m/55m	1000	2SK1883
			+20	22	88	60		30m/40m	1300	2SK1884
			+15	35	140	70		15m/25m	2000	2SK1885
2SJ254 2SJ255 2SJ256 2SK1886 2SK1887 2SK1888	TO-220ML		+15	8	32	25		85m/120m	1000	2SJ254
			+20	10	40	25		70m/95m	1300	2SJ255
			+15	18	72	30		40m/55m	2000	2SJ256
			+15	15	60	25		40m/55m	1000	2SK1886
			+20	20	80	25		30m/40m	1300	2SK1887
			+15	30	120	30		15m/25m	2000	2SK1888
2SJ257 2SJ258 2SJ259 2SJ400 2SK1889 2SK1890 2SK1891	SMP		+15	10	40	50		85m/120m	1000	2SJ257
			+20	12	48	60		70m/95m	1300	2SJ258
			+15	20	80	70		40m/55m	2000	2SJ259
			+20	35	140	70		40m/55m	4000	2SJ400
			+15	18	72	50		40m/55m	1000	2SK1889
			+20	22	88	60		30m/40m	1300	2SK1890
			+15	35	140	70		15m/25m	2000	2SK1891

Case Outlines(unit:mm)

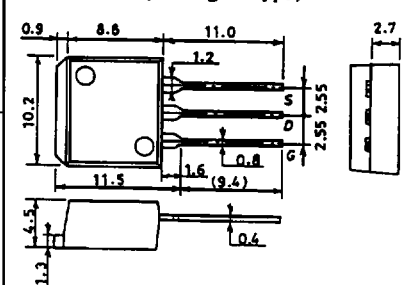
SANYO:TO-220



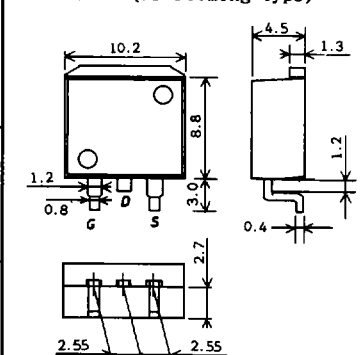
SANYO:TO-220ML



SANYO:SMP(Straight type)



SANYO:SMP(FD Forming type)



VDSS 60V system

2SJ260 2SJ261 2SJ262 2SJ348 2SK1892 2SK1893 2SK1894	TO-220	60	+15	8	32	50	1 ~ 2	0.15/0.2	950	2SJ260
			+20	10	40	60		0.11/0.15	1230	2SJ261
			+15	18	72	70		60m/80m	1900	2SJ262
			+20	30	120	70		30m/40m	3800	2SJ348
			+15	15	60	50		60m/80m	950	2SK1892
			+20	18	72	60		50m/70m	1230	2SK1893
			+15	30	120	70		30m/40m	1900	2SK1894
2SJ263 2SJ264 2SJ265 2SJ339 2SK1895 2SK1896 2SK1897 2SK2163	TO-220ML		+15	6	24	25		0.15/0.2	950	2SJ263
			+20	8	32	25		0.11/0.15	1230	2SJ264
			+15	15	60	30		60m/80m	1900	2SJ265
			+20	25	100	40		30m/40m	3800	2SJ339
			+15	12	48	25		60m/80m	950	2SK1895
			+20	15	60	25		50m/70m	1230	2SK1896
			+15	25	100	30		30m/40m	1900	2SK1897
			+20	40	160	40		15m/20m	3800	2SK2163
2SJ266 2SJ267 2SJ268 2SJ340 2SK1898 2SK1899 2SK1900 2SK2164	SMP		+15	8	32	50		0.15/0.2	950	2SJ266
			+20	10	40	60		0.11/0.15	1230	2SJ267
			+15	18	72	70		60m/80m	1900	2SJ268
			+20	30	120	70		30m/40m	3800	2SJ340
			+15	15	60	50		60m/80m	950	2SK1898
			+20	18	72	60		50m/70m	1230	2SK1899
			+15	30	120	70		30m/40m	1900	2SK1900
			+20	45	180	70		15m/20m	3800	2SK2164

VDSS 100V system

2SJ269 2SJ270 2SJ271 2SK1901 2SK1902 2SK1903	TO-220	100	+15	6	24	50	1 ~ 2	0.3/0.4	950	2SJ269
			+20	8	32	60		0.22/0.3	1230	2SJ270
			+15	15	60	70		0.12/0.16	1900	2SJ271
			+15	12	48	50		0.12/0.16	950	2SK1901
			+20	15	60	60		0.1/0.135	1230	2SK1902
			+15	25	100	70		60m/80m	1900	2SK1903
2SJ272 2SJ273 2SJ274 2SK1904 2SK1905 2SK1906	TO-220ML		+15	4	16	25		0.3/0.4	950	2SJ272
			+20	6	24	25		0.22/0.3	1230	2SJ273
			+15	12	48	30		0.12/0.16	1900	2SJ274
			+15	10	40	25		0.12/0.16	950	2SK1904
			+20	12	48	25		0.1/0.135	1230	2SK1905
			+15	20	80	30		60m/80m	1900	2SK1906
2SJ275 2SJ276 2SJ277 2SK1907 2SK1908 2SK1909	SMP		+15	6	24	50		0.3/0.4	950	2SJ275
			+20	8	32	60		0.22/0.3	1230	2SJ276
			+15	15	60	70		0.12/0.16	1900	2SJ277
			+15	12	48	50		0.12/0.16	950	2SK1907
			+20	15	60	60		0.1/0.135	1230	2SK1908
			+15	25	100	70		60m/80m	1900	2SK1909

Precaution

© Take care to prevent device breakage from static electricity because MOSFETs cannot withstand much static electricity.

© For samples and shipment contact our Product Planning Dept. of TR division.

These specifications are subject to change without notice.