

TO-220FI(LS)(Full Isolation) Outline Series

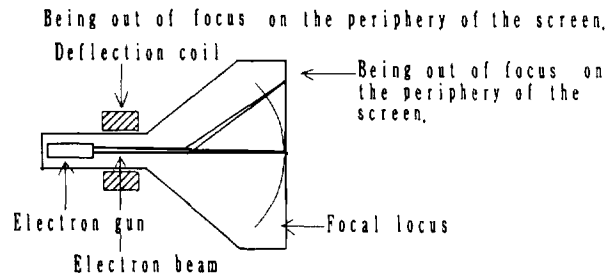
Sanyo's new outline TO-220FI(Full isolation : perfect isolation type) has a wide variety of products.

Dynamic focus transistors

These products are fabricated by Sanyo's original high technology.

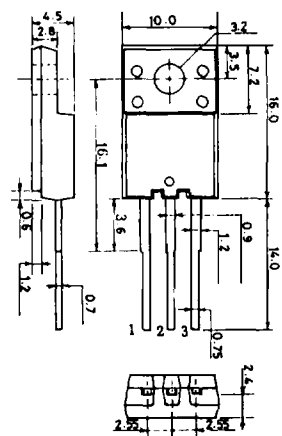
- * High voltage amplifying, high voltage switching and high withstand voltage.
- * High frequency operation.

A spot size of an electron beam is always kept constant all over the CRT screen by changing a focus of a CRT's electron beam while scanning horizontally and vertically. This eliminates being out of focus of the screen and gives you a very clear image. Thus this technology is indispensable for high definition displays.



Type No.	Absolute Maximum Ratings/Ta=25°C				Electrical Characteristics/Ta=25°C											
	V _{CB0} (V)	V _{CEO} (V)	I _C (mA)	P _C (W)	V _{CE} (V)	I _C (mA)	h _{FE}	I _C (mA)	I _B (mA)	V _{CE(sat)} max (V)	V _{CB}	cob typ (pF)				
2SC4630LS	1500	900	100	2	5	10	min30	20	4	5	100	2.8				
2SC4631LS	1500	900	300									30	min30	60	12	5.0
2SC4632LS	1500	1200	10									0.5	10 ~ 60	1	0.2	1.6
2SC4633LS	1500	1200	30									1.5	10 ~ 60	3	0.6	2.0
2SC4634LS	1500	1500	10									0.2	10 ~ 60	0.5	0.1	1.5
2SC4635LS	1500	1500	20									0.6	10 ~ 60	1.5	0.3	1.9
2SC4636LS	2000	1800	10									0.1	10 ~ 60	0.2	0.04	1.4
2SC4637LS	2000	1800	15									0.3	10 ~ 60	0.6	0.12	1.8
2SC4710LS	2100	2100	10									0.5	10 ~ 60	1	0.2	1.3
2SC4887LS	2500	1200	100									5	10 ~ 60	20	4	2.5
2SC4888LS	2500	1200	300									20	10 ~ 60	60	12	4.0

Case Outline (unit: mm)



1: Base, 2: Collector, 3: Emitter
1: Gate, 2: Drain, 3: Source

Power MOS FET *PD: Tc=25°C

Available for switching regulators, DC-DC converters and driving motors.

Features * Low ON resistance, low loss and fast switching operation.

* Very high withstand voltage, fast switching operation and low capacitance.

* RDS(on): VGS=10V

Type No.	Absolute Maximum Ratings/Ta=25°C					Electrical Characteristics /Ta=25°C		
	V _{DSS} (V)	V _{GS} (V)	I _D (A)	I _{DP} (A)	*P _D (W)	V _{GS(off)} (V)	*R _{DS(on)} typ/max(Ω)	C _{iss} typ (pF)
2SK1412LS	1500	±20	0.1	0.2	20	1.5-3.5	140/200	40
2SK1443LS	450	±30	1	4	20	2-3	3.5/4.5	250
2SK1444LS			3	12	25		2/2.6	400
2SK1445LS			5	20	30		1/1.4	700
2SK1446LS			7	28	35		0.6/0.8	1200
2SK1447LS			9	36	40		0.47/0.6	1600
2SK1458LS			900	±30	0.1		0.2	20
2SK1459LS	2.5	5			30	2-3	4.7/6	350
2SK1460LS	3.5	7			40	2.8/3.6	700	
2SK2043LS	600	±30	2	8	25	3.2/4.3	400	
2SK2044LS			4	16	30	2-3	1.8/2.4	700
2SK2045LS			5.5	22	35	1.1/1.5	1100	

Precaution: Be careful not to destroy MOS type transistors because they cannot withstand much static electricity.

These specifications are subject to change without notice.