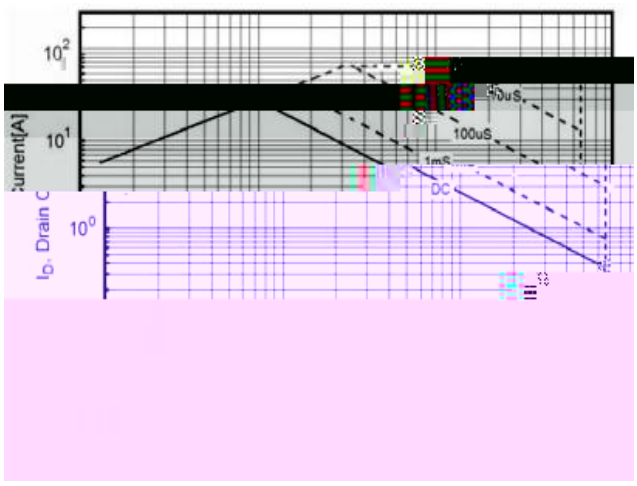
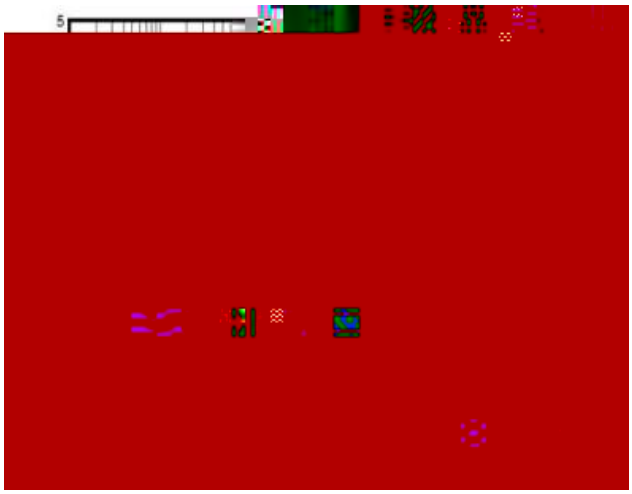
	20A
	650V
	190mΩ

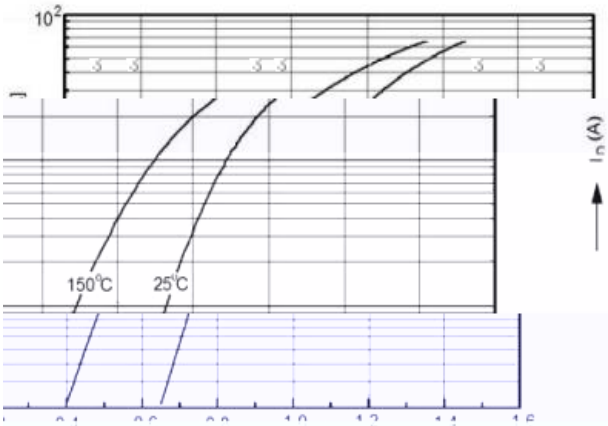
⧫Low RDS(on) & FM
⧫Extremely low switching loss
⧫Excellent stability and uniformity

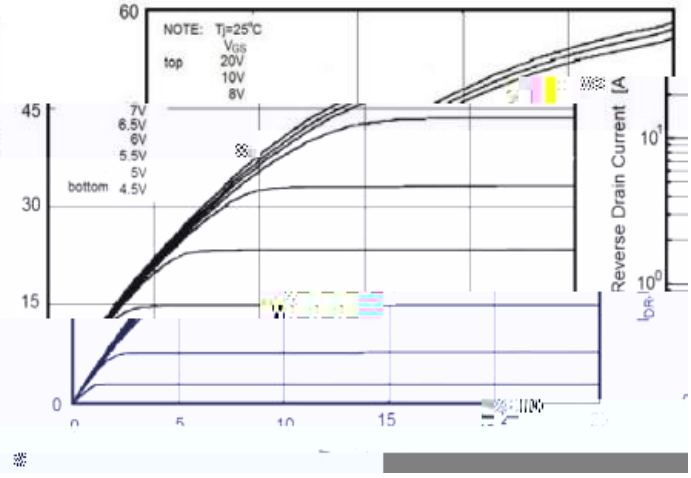
⧫Solar inverters
⧫LCD/LED/PDP TV
⧫Telecom/Server Power supplies
⧫AC-DC Power Supply

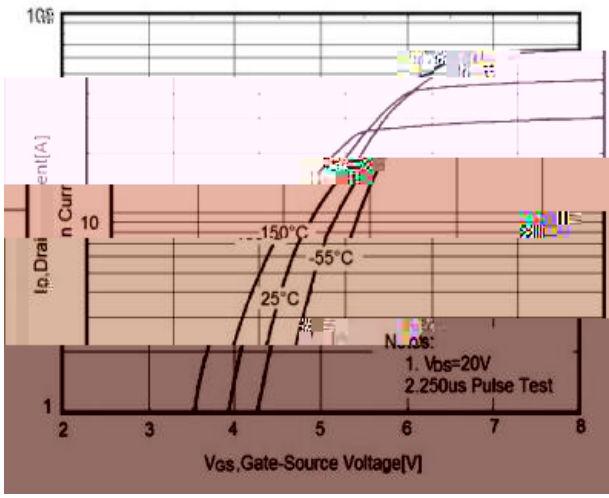
⧫Case: Molded plastic
⧫Mounting Position: Any
⧫Molded Plastic: UL Flammability Classification Rating 94V-0
⧫Lead free in compliance with EU RoHS 2011/65/EU directive
⧫Solder bath temperature 275 maximum,10s per JESD 22-B106

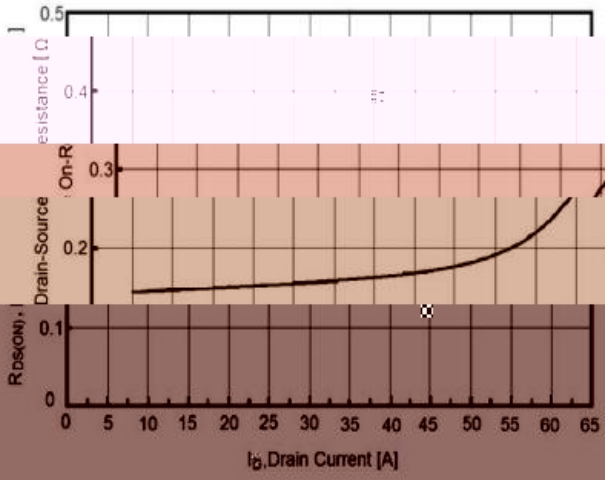

10ms
100uS
1mS
DC



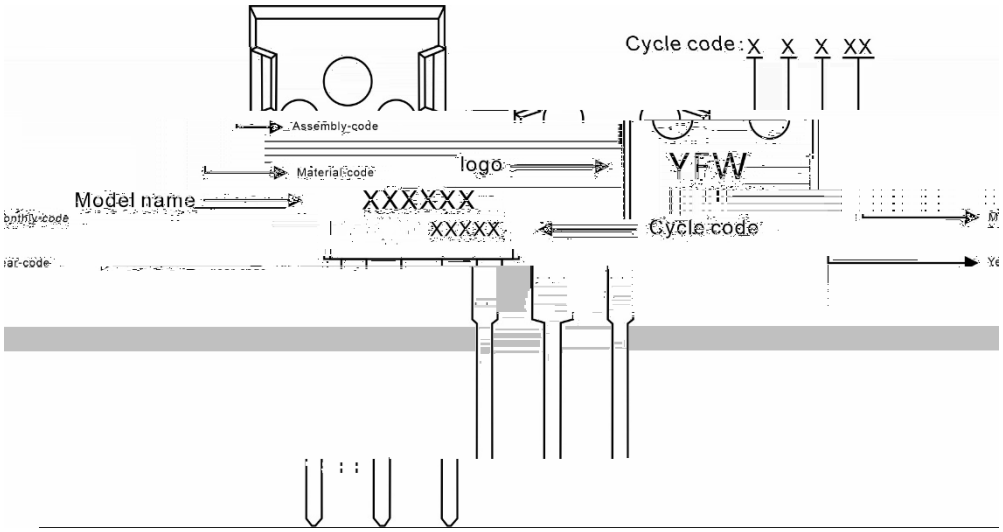

150°C
25°C


NOTE: Tj=25°C
top
20V
10V
8V
7V
6.5V
6V
5.5V
5V
bottom 4.5V
Reverse Drain Current [A]


150°C
-55°C
25°C
1. Vbs=20V
2.250us Pulse Test
Vgs,Gate-Source Voltage[V]


Drain-Source On-Resistance
Id,Drain Current [A]

Marking Diagram

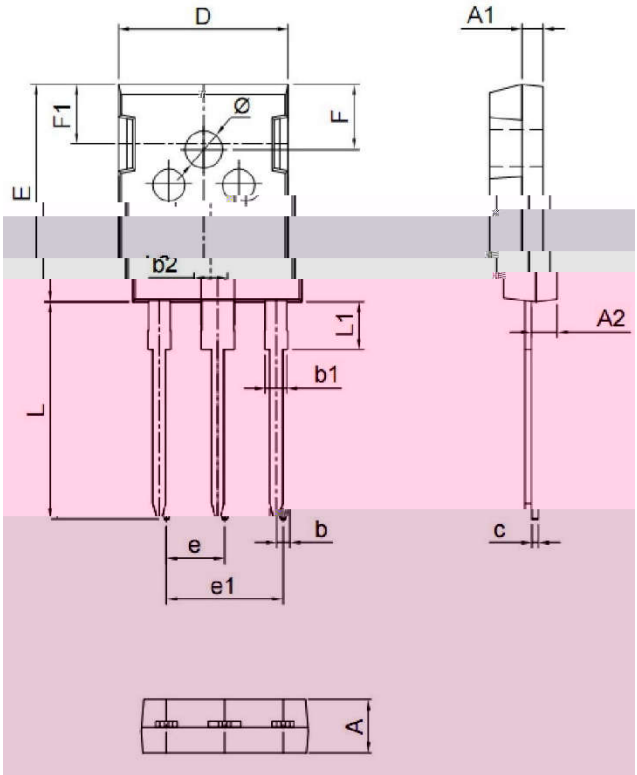


Ordering information

Model name	Package	Unit Weight	Base Quantity	Packing Quantity
YFW65R190AP	TO-247	0.209oz(5.93g)	30pcs/tube	600PCS/Box 2400PCS/Carton

Package Dimensions

TO-247



Symbol	Dimensions in mm		Dimensions in Inch	
	Min.	Max.	Min.	Max.
A	4.90	5.10	0.193	0.201
A1	1.90	2.10	0.075	0.083
A2	2.29	2.54	0.090	0.100
b	1.00	1.40	0.039	0.055
b1	2.00	2.20	0.079	0.087
b2	3.00	3.20	0.118	0.126
c	0.50	0.70	0.020	0.028
D	15.75	16.05	0.620	0.632
E	20.20	20.80	0.795	0.819
e	5.45 (BSC)		0.215 (BSC)	
e1	10.90 (BSC)		0.429 (BSC)	
F	6.05	6.25	0.238	0.246
F1	5.80	6.00	0.228	0.236
L	20.10	20.40	0.791	0.803
L1	4.05	4.35	0.159	0.171
Φ	3.50	3.70	0.138	0.146