MOSFET: BSC082N10LS DIODE :- PMEGITOSOBEALSHOTTKEY (V Pooja Phening - 60002230063 (2) Prayag Kartha - 60002231020 (3) Krishha Michra - 60002231103 ariven :-Vin = 24 V Vout = 5V Input Current = LA S = 100 KHZ n = 98 = 79 %. output current (lout max) Pin = Vin X Iin Pout = Vout X Tout new etticiency Pout = Pinx n = 24 V x 1 V x 0.99 2 23.76 W (Output power) Jour max = Pout = 81312800 23.76 = 4.752 A Dutry (D) = \$ 201. 782 0-208 Inductor (L) - (Vin - Vous) XD A FINDW BUTHER 30 54H We have increased the value to 3 Tut to meet the " a more legitimate graph.









