

To find K and VTh pick two points from ID VS VGS cure of IRFRIBNISH 25°C

ID1 = 1A ID2 = 20A V651 = 6V V652 = 8V

IDI = K (VGSI-VTN) 2 IDD = K (VGS2-VTN) 2

1 = K (6 - V+n)2 20 = K (8 - V+n)2

1= K (6-VIN)(6-VIN) 20 = K (8-VIN)(8-VIN)

1= K[36-6UTN-6UTN+VTN2] (1) 20= K[64-8VTN-8VTN+VTN2] (2) 30= K[64-8VTN-8VTN+VTN2] (2) 501UE (1)+(2) for K and UTN

K= 3.0139

VTh = 5.4239

when multiple solns exist, Pick Soln corresponding closest to VGSCTN) parameter in datasheet



