

MOTOR DRIVERS

$R_{ds(on)} = 0.035 \text{ ohm} @ 3V3- I_d = 4A$
 $P = I^2 * R$
 $= 4^2 * 0.035 = 0.56 \text{ W}$
 $PD @ T_a = 25^{\circ}C \Rightarrow 1.25 \text{ W}$
 $PD @ T_a = 125^{\circ}C \Rightarrow 0.8 \text{ W}$

datasheet: <https://pdf.direnc.net/upload/irlml2502gpbfdatasheet.pdf>

