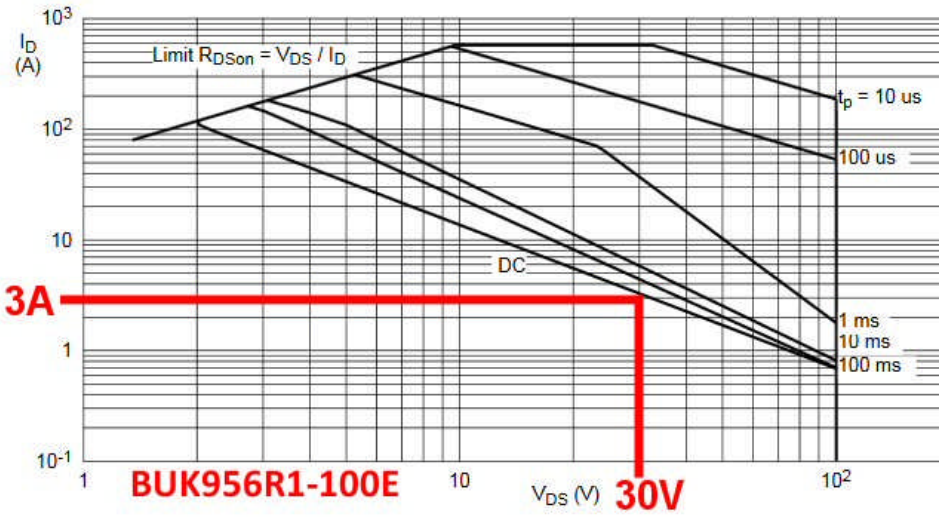
SCULLCOM HOBBY ELECTRONICS

Electronic DC Load (Version 9.2) Power Mosfet Options

Below is a list of some Power Mosfet options for this project in order of preference.

Mosfet	Manfacturer	Max. Drain/ Source Volts	Max. Drain Current	Max Total Power	Gate/Source Threshold Voltage	Max. Op. Temp.	Power De-rating Factor above 25°C	Thermal R Junction to base
BUK956R1-100E	**Nexperia**	**100V**	**120A**	**349W**	**1.4V to 2.1V**	175°C	2.32 W/°C	0.43 °C/W
STP80NF55L-06	STMicroelectronics	55V	80A	300W	1.0V to	175°C	2.0 W/°C	0.5 °C/W
RFP12N10L	Fairchild	100V	12A	60W	1.0V to 2.0V	150°C	0.48 W/°C	2.08°C/W
STP55NF06L	STMicroelectronics	60V	55A	95W	Typical 1.7V	175°C	0.63 W/°C	1.58 °C/W
IRLB4030PbF	IR	100V	180A	370W	1.0V to 2.5V	175°C	2.5 W/°C	0.4 °C/W
IPP80N06S2L-07	Infineon	55V	80A	210W	1.2V to 2.0V	175°C	1.2 W/°C	0.7 °C/W
IPP037N06L3 G	Infineon	60V	90A	167W	1.2V to 2.2V	175°C	1.2 W/°C	0.9 °C/W
PSMN2R5-60PL	Nexperia	60V	150A	349W	1.4V to 2.1V	175°C	2.8 W/°C	0.43 °C/W
IRL60B216	IR	60V	195A	375W	1.0V to 2.4V	175°C	2.5 W/°C	0.4 °C/W



Safe Operating Area