

The Latest

MRF 300 2m Amp

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Posted by AG6QV Frank

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My Kenwood TS-2000X delivers 100W on HF, 6m and 2m bands and that is fine for most local communication. Getting a bit more power for weak signal work would make it a bit more fun. I purchased a kit on eBay that should be able to deliver 500W+ with 5W drive. Today installed it on a heat sink and applied 32V just to verify that it is working as expected.

MRF300 2m

The system is designed to work at 50V. I have a 28V and a 24V switching power supply that I will be using eventually, but the test with a handheld and a dummy load proved that the system is working as expected.

At 32V and 400mA drain current the system was tested with 5W in and 110W out. At this voltage the total current draw is 5.5A.

The kit was \$47 plus shipping and the two LDMOS transistors were ~\$50 each on mouser.com.

Link to this Post

[Previous 3](#)[Get Next 3](#)

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			1	2	3
		4			
5	6	7	8	9	10
		11			
12	13	14	15	16	17
		18			
19	20	21	22	23	24
		25			
26	27	28	29	30	31