

	IRFP240	IRFP048	IRFP044N	IRFP140	IRFP150	IRFP250MPBF	IPx600N25N3 G	IRF520	IRFP610	IRFP460A	IRFP3710	IXTK 88N30P	FQH44N10	C2M0280120D	C3M0160120D	C3M0065090D	SJEP120R100
Voltage Vds	200	60	55	100	100	200	250	100	200	500	100	300	100	1200	1200	900	1200
Current Id TC100°C	12	52	37	23	29	21	18	6,5	2,1	13	40	x	34	6	12	23	17
Rds on @10V Vgs	0,18	0,018	0,02	0,052	0,055	0,075	0,06	0,27	1,5	0,27	0,025	0,04	0,039	0,28	0,16	0,065	0,1
housing	TO-247AC	TO-247AC	TO-247AC	TO-247AC	TO-247AC	TO-247AC	TO-220AB	TO-220AB	TO-220AB	TO-247AC	TO-247AC	TO-247AC	TO-247AC	TO-247AC	TO-247AC	TO-247AC	TO-247AC
forward transconductance gfs (S)	6,9	20	16	11	13	17	47	2,7	0,8	11	20	60	31	2,8	5,2	16	x
input capacitance pF (Ciss)	1300	2400	1500	1400	2800	2159	1770	360	140	3100	3000	6300	1400	259	632	760	670
output capac. pF (Coss)	400	1300	500	330	1100	315	112	150	53	480	640	950	425	23	39	66	103
reverse transfer cap pF (Crss)	130	190	160	170	280	83	3	34	15	18	330	190	85	3	3	5	67
price	1,42	3,56	1,1	1,17	1,48	1,49	2,43	0,47	0,35	2,22	1,44	8,24	2,31	4,19	4,32	7,72	119 !!!
Where	reichelt	digikey	reichelt	reichelt	reichelt	digikey		reichelt	reichelt	reichelt	reichelt	digikey	farnell	digikey	digikey	digikey	
	vishay	vishay	IR	IR	IR	infineon	infineon	vishay	vishay	vishay	IR	IXYS	on semi	Cree	Cree	Cree	Semisouth
							optiMOS3FET							silicon Carbide	silicon Carbide	silicon Carbide	silicon Carbide
	used in ACA		bought 17.	bought 17.5.	2021			ACP+preamp				Lufo amp					
								bought 17.5.2021									

<https://www.diyaudio.com/forums/pass-labs/328357-aca-amp-premium.html>

Rds(on) has little effect. **Input capacitance and the Gate stoppers** have a much bigger influence on THD above 5KHz or so. **More capacitance equals more THD.**

<https://www.diyaudio.com/forums/pass-labs/328357-aca-amp-premium-58.html#post6551818>

Transconductance is an expression of the performance of a bipolar transistor or field-effect transistor (FET). In general, the larger the **transconductance** figure for a device, the greater the gain(amplification) it is capable of delivering, when all other factors are held constant.