

Timers/Oscillators

Mfr.'s Type	Description	Max. Output Frequency (Astable)	Power Supply Requirement	Package Type
LM555CN	Timer for Time Delays and Oscillator Applications	10 KHz (Typ.)	+4.5 V to +18 V @ 15 mA	8 Lead PDIP
ICM7555IBA ICM7555IPA	Low Power CMOS Equivalent of Industry Standard 555. 80 µA Supply Current. Low Power CMOS Equivalent of Industry Standard 555. 80 µA Supply Current.	1 MHz (Typ.) 1 MHz (Typ.)	+2.0 V to +18 V @ 300 µA +2.0 V to +18 V @ 300 µA	8 Lead SOIC 8 Lead PDIP
ICM7556IPD ICM7242IPA	Dual ICM7555, Low Power CMOS Equivalent of Industry Standard 556. Long Range Fixed Timer, RC Oscillator +8 Bit Counter, Fixed 256 Count, Cascadable.	1 MHz (Typ.) 2 MHz (Typ.)	+2.0 V to +18 V @ 300 µA +2.0 V to +16 V @ 800 µA	14 Lead PDIP 8 Lead PDIP
HA7210IB HA7210IP	32.768 KHz Micropower Clock Oscillator. Externally Programmed to Operate 10 KHz to 10 MHz 32.768 KHz Micropower Clock Oscillator. Externally Programmed to Operate 10 KHz to 10 MHz	10 MHz 10 MHz	+2.0 V to +7 V @ 5 µA +2.0 V to +7 V @ 5 µA	8 Lead SOIC 8 Lead PDIP

Ultra-Fast Recovery Rectifiers

Mfr.'s Type	Ratings		Package Type
	V _{RRM} (V)	I _{F(AVG)} (A)	
RURP3060 RURP30120	600 1200	30 30	TO-220AC TO-220AC

Logic Level MOSFETs

N-Channel

Mfr.'s Type	Maximum Ratings			Package Type
	V _{DS} (V)	I (A)	r _{DS(ON)} (Ω)	
RFP4N05L RFD14N05L	50 50	4.0 14.0	0.800 0.100	TO-220AB TO-251AA
RFP14N05L RFP15N05L	50 50	14.0 15.0	0.100 0.140	TO-220AB TO-220AB
RFP25N05L RFP50N05L	50 50	25.0 50.0	0.047 0.022	TO-220AB TO-220AB
RFD12N06RLE RFP2N08L	60 80	12.0 2.0	0.135 1.050	TO-251AA TO-220AB
RFP12N10L RFP2N12L	100 120	12.0 2.0	0.200 1.750	TO-220AB TO-220AB
RFP8N20L	200	8.0	0.500	TO-220AB

Hyper-Fast Recovery Rectifiers

Mfr.'s Type	Ratings		Package Type
	V _{RRM} (V)	I _{F(AVG)} (A)	
RHRD460 RHRD660	600 600	4.0 6.0	TO-251 TO-251

BUZ and RF Series MOSFETs

N-Channel

Mfr.'s Type	Maximum Ratings			Package Type
	V _{DS} (V)	I (A)	r _{DS(ON)} (Ω)	
BUZ71A BUZ71	50 50	13.0 14.0	0.120 0.100	TO-220AB TO-220AB
BUZ11 RFP10N15	50 150	30.0 10.0	0.040 0.300	TO-220AB TO-220AB

P-Channel

RFP6P08 RFP8P08	80 80	6.0 8.0	0.600 0.400	TO-220AB TO-220AB
RFP12P08	80	12.0	0.300	TO-220AB

MEGAFET MOSFETs

N-Channel

Mfr.'s Type	Maximum Ratings			Package Type
	V _{DS} (V)	I (A)	r _{DS(ON)} (Ω)	
RFP70N03 RFP45N06	30 60	70.0 45.0	0.010 0.028	TO-220AB TO-220AB
RFP50N06 RFG70N06	60 60	50.0 70.0	0.022 0.014	TO-220AB TO-247
RFP70N06 RFP40N10	60 100	70.0 40.0	0.014 0.040	TO-220AB TO-220AB

P-Channel

RFD15P05 RFP15P05	50 50	15.0 15.0	0.150 0.150	TO-251AA TO-220AB
RFP30P05 RFG60P05E	50 50	30.0 60.0	0.065 0.026	TO-220AB TO-247
RFP30P06 RFG60P06E	60 60	30.0 60.0	0.074 0.030	TO-220AB TO-247

N-Channel

Mfr.'s Type	Maximum Ratings			Package Type
	V _{DS} (V)	I (A)	r _{DS(ON)} @ 10 V (Ω)	
IRF510 IRF520	100 100	5.6 9.2	0.540 0.270	TO-220AB TO-220AB
IRF530 IRF610	100 200	14.0 3.3	0.160 1.500	TO-220AB TO-220AB
IRF630 RF1S630	200 200	9.0 9.0	0.400 0.400	TO-220AB TO-262
IRF640 IRF720	200 400	18.0 3.3	0.180 1.800	TO-220AB TO-220AB
IRF730 IRF740 IRF840	400 400 500	5.5 10.0 8.0	1.000 0.550 0.850	TO-220AB TO-220AB TO-220AB

P-Channel

RF1S30P06SM IRF9520	60 100	30.0 6.0	0.075 0.600	TO-263 TO-220AB
IRF9530 IRF9540	100 100	12.0 19.0	0.300 0.200	TO-220AB TO-220AB