



Remote Control/ Keyless Entry ICs

Part Number	Function	Key Features	Package	Source
IR Transmitter / Receiver				
BPV23NF	PIN diode (see Opto section)	IR photo detector, 875 to 950 nm, sensitivity typical 65 μ A	Side view	HN
TSHA520x	IR emitter family (see Opto section)	High efficiency, $\pm 12^\circ$, 875 nm	T1-3/4, 5 mm	HN
TSHA550x		High efficiency, $\pm 24^\circ$, 875 nm	T1-3/4, 5 mm	HN
U426B-FP	IR driver, transmitter, constant current source, 2.4 to 12 V, max 500 kHz	Adjustable constant current (0.2 to 1.2 A)	SO8	HN
U2535B-FP	IR preamplifier, typical 0.26 mA standby current, 20 to 100 kHz	Low-power consumption	SO8	HN
U2538B-FP	IR preamplifier, typical 0.55 mA standby current, 20 to 60 kHz	Only 3 external components required	SO8	HN
RF Transmitter / Receiver				
S822T	NPN planar RF transistor, 50 Ω input impedance at 945 MHz	Low noise, low current	SOT143	HN
S852T		Low noise, low current	SOT23	HN
BFR92A	Broadband amplifier	Low noise, high gain	SOT23	HN
U2740B-FP	UHF AM/ FM transmitter	Wide frequency range: 200 to 500 MHz, supply voltage 2.2 to 6 V	SO16	HN
U4311B	RF receiver, 10.7 MHz, IF amplifier, AM + FM demodulator, non-inverting clamping comparator	Low-power consumption, typ 1.0 mA	DIP16	HN
U4311B-FS		Low-power consumption, typ 1.0 mA, 105°C	SSO20 (0.65)	HN
U4311B-FL		Low-power consumption, typ 1.0 mA	SO16L	HN
U4313B-FL	RF receiver, 10.7 MHz, IF amplifier, AM + FM demodulator, non-inverting clamping comparator	Low-power consumption, typ 1.0 mA	SO16L	HN
U4314B-FP	RF receiver, 10.7 MHz, IF amplifier, AM demodulator, logarithmic RSSI	Low-power consumption, typical 0.8 mA	SO8	HN
4-bit Microcontroller, Suitable for IR and RF Systems as well as for Encoder or Decoder				
M44C260	4-bit MCU, 4 K ROM, 256 x 4 RAM, 2 x 8-bit timer, watchdog, 16 x 8 EEPROM	qFORTH language, low standby current, 3 operating modes	SSO28 (0.8) SSO20 (0.65)	HN
M48C260	OTP version of M44C260	(For more information please see Microcontrollers section)	SSO28 (0.8)	HN
M48C892	OTP version of M44Cx9x-series		SO20	HN

Note: Micromodules and subassemblies for IR + RF transmitter/receiver on request.