

Function of Each Active Device

The H25PB3 transmitter uses 11 discrete semiconductors and 5 integrated circuit devices.

D1	MBR0520L, Diode, Schottky, DC power polarity protection diode..
D2	MMBD914, Diode, Silicon, DC reference for temp. compensation of oscillator.
D3, 4	KV31S1, Diode, Varactor, modulation and temp. compensation control
Q1	NE94433, Transistor, Bipolar, Oscillator Tripler.
Q2	NE85633, Transistor, Tripler.
Q3	NE85634, Driver.
Q4	NE85633, Transistor, Bipolar, Driver base bias.
Q5	VN0605T, Transistor, Mosfet TX-KEY driver
Q6	MRF557, Final Power Amplifier (P.A.)
Q7	MMBT3904, Transistor, Low Pass Active Filter
U1	PIC16C58A, Microprocessor
U2	TK11220CT, 2.0 VDC regulator for oscillator and tripler stages.
U3	LMV321, Dual Op-Amp, temp. compensation.
U4	TK11932, 3.2 VDC Regulator for microprocessor
U5	MIC94002BLM Integrated Dual Mosfet Power Transistor TX-KEY Switch