Function of Each Active Device

The H25T99FG transmitter uses 10 discrete semiconductors and 6 integrated circuit devices.

D1	MBR0520L, Diode, Schottky, DC-DC converter switching rectifier.
D2	MMBD914, Diode, Silicon, DC reference for temp. compensation of oscillator.
D3, 4	KV31S1, Diode, Varactor, modulation and temp. compensation control
D5	BAV99, Dual-Diode, modulation limiter.
Q1	NE94433, Transistor, Biplolar, Oscillator Tripler.
Q2	NE85633, Transistor, Tripler.
Q3	NE85634, Driver.
Q4	NE85633, Transistor, Bipolar, Driver base bias.
Q5	not used
Q6	MRF557, Final Power Amplifier (P.A.)
U1	MAX1703, DC-DC Switching Converter.
U2	TK11220CT, 2.0 VDC regulator for oscillator and tripler stages.
U3	LMV321, Op-Amp, temp. compensation.
U4	LMV321, Op-Amp, temp. compensation.
U5	LD502, AGC IC for microphone audio processing.
U6	LMV321, Op-Amp, post-AGC audio amplifier.