

**Function of Each Active Device**

The H25DSS900 transmitter uses 5 discrete semiconductors and 9 integrated circuit devices.

D1	SMV1200-004, Diode, Varactor, VCO Tuning.
D2, 3	MMBD914, Diode, Silicon, DC voltage drop and decoupling for PA.
D4	BAV70, Diode, temp. compensation for audio limiter.
D5	BAV99, Dual-Diode, modulation limiter.
U1	LT1121CST-5, DC Regulator.
U2	MC121475D, VCO-buffer.
U3	LMX2316, Frequency Synthesizer.
U4	IAM-81008, 900 MHz Driver Amplifier MMIC.
U5	MRFIC-2006, 900 MHz RF PA MMIC
U6	AT90S1200-16SC, microprocessor controller.
U7	MX609, CVSD, Speech Coder
U8	IC7W04, Inverter, clock, data buffer
U9	DTC, Audio Processor Hybrid