

SS6ISC-T5540 RF Active Device List

PA module

Each PA module uses a single amplification stage (Q1) that is a GHz Technology UMIL80 transistor, ISC part number 5033.00062

Driver Module

The Driver uses a FET amplifier (Q1) that is a POLYFET F1008, ISC part number 5034.00078.

4 Watt Module

The 4 watt module uses a single amplifier stage (U2) as follows:

406-450 MHz. Mitsubishi M57721M-01, ISC part number 5700.00055

450-470 MHz. Mitsubishi M57721-01, ISC part number 5700.00049.

Exciter RF Amp/VCO

The VCO consists of transistors Q13 and Q14, NEC NE85633, ISC part number 5031.00031.

The amplifier circuitry consists of the following stages:

Q2 and Q8, Avantek MSA0886, ISC part number 5031.00023.

Q4, Avantek MSA1105, ISC part number 5031.00025.

Q3, Advanced Semiconductor MRF581, ISC part number 5011.00007.

10 MHz Reference Oscillator: ISOTEMP P/N 6624.00002