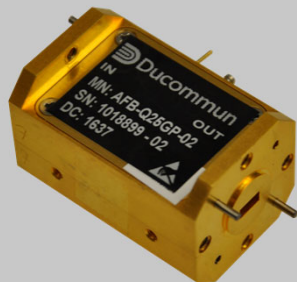


RF Products

RF Amplifiers



RF AMPLIFIERS

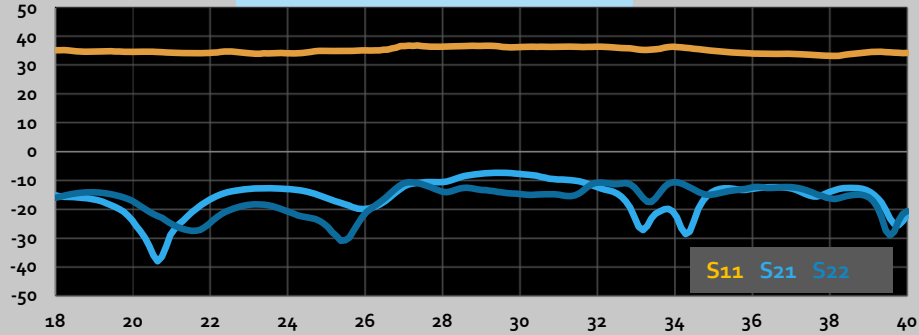
AFB-KKA30LN-01

Features:

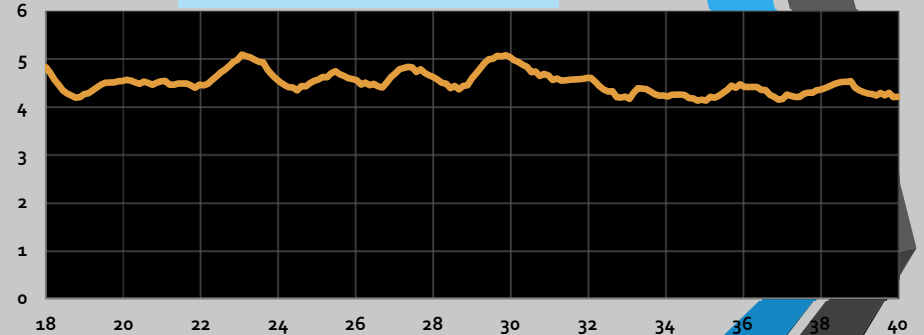
- Frequency: 18 to 40 GHz
- Gain: 30 dB (min)
- OIP3: 20 dBm (typ)
- Noise Figure: 4.5 dB (typ)
- VSWR: 2:1 (typ)
- DC BIAS: 12V/ 150mA (typ)
- I/O Connectors: 2.92 mm (f)

RF AMPLIFIERS

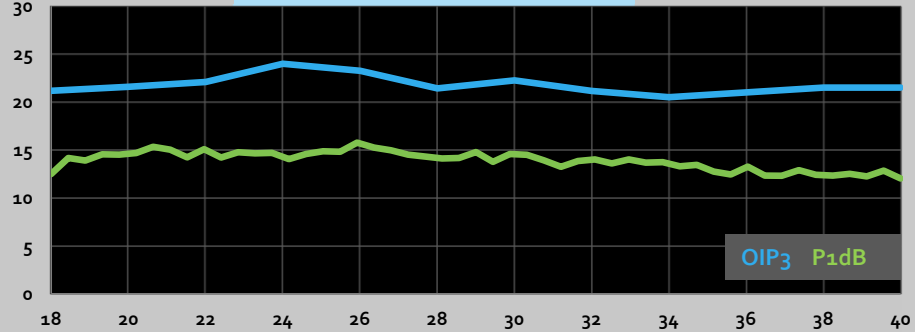
S-Parameters vs Frequency



Noise Figure vs Frequency



Output Power vs Frequency



RF AMPLIFIERS

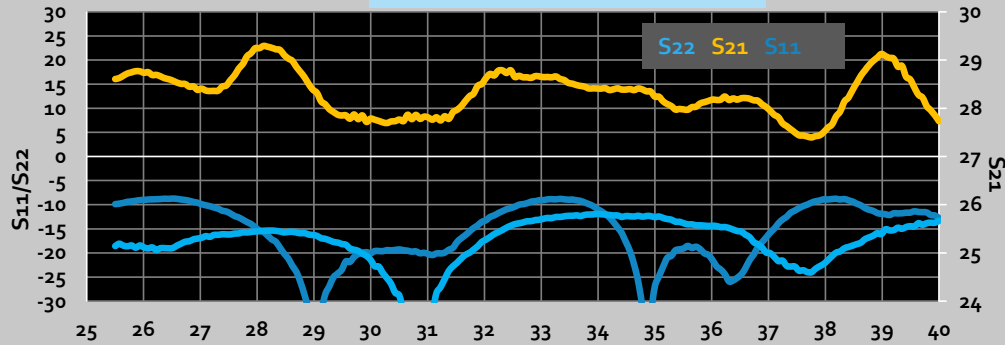
25.5 GHz to 40 GHz Power Amplifier

Features:

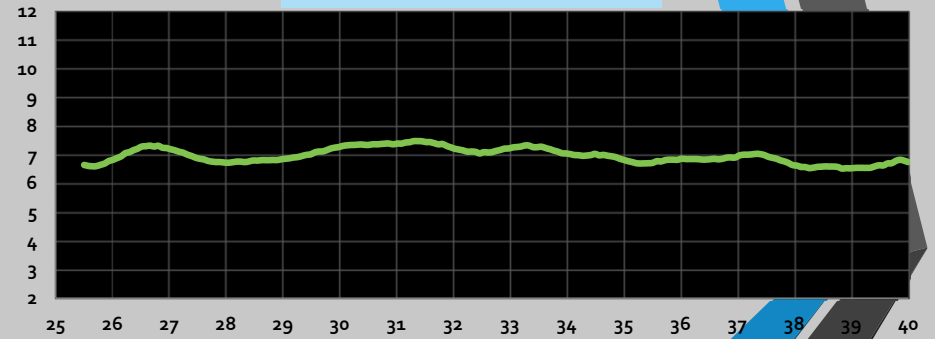
- Frequency: 25.5 to 40 GHz
- Gain: 28 dB (typ)
- P1dB: 25dBm (min)
- Small Signal Gain Flatness: +/- 1.25 dB (max)
- VSWR: 2.0:1 (typ), 2.5:1 (max)
- Input Power Handling (destructive): +10 dBm
- I/O Connector: 2.92 mm (f)

RF AMPLIFIERS

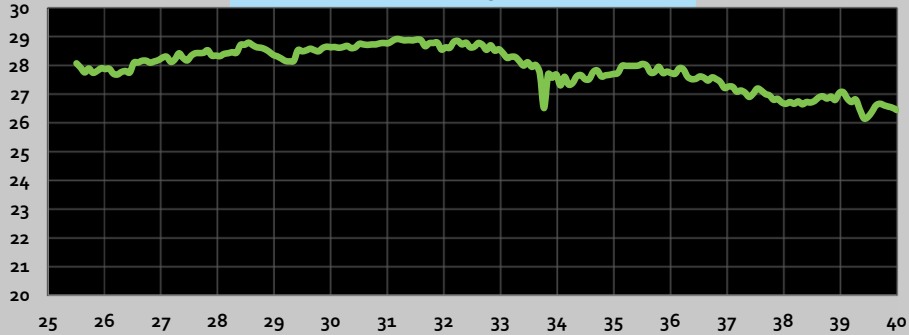
S-Parameters vs Frequency



Noise Figure vs Frequency



Power at 1dB Compression Point



RF AMPLIFIERS

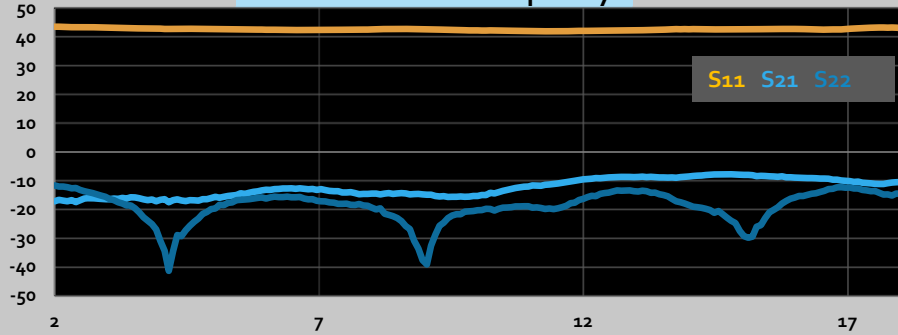
AFB-SCX40GP-01

Features:

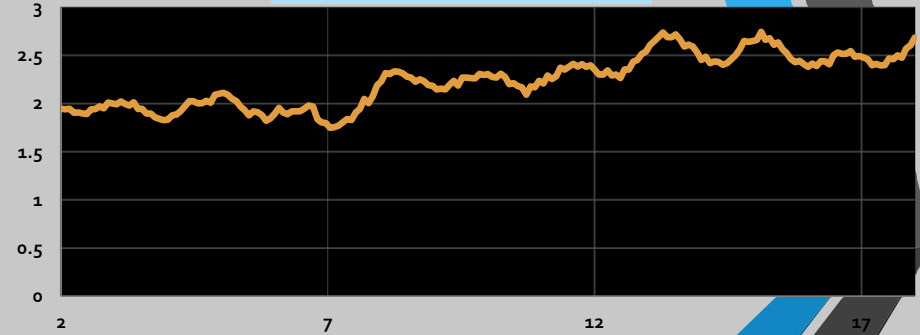
- Frequency: 2 to 18 GHz
- Gain: 40 dB (min)
- P1dB: 26 dBm (typ)
- OIP2: 40 dBm (typ)
- Noise Figure: 3.0 dB (max)
- VSWR: 2:1 (typ)
- DC BIAS: 12V/ 400mA (typ)
- I/O Connectors: SMA mm (f)

RF AMPLIFIERS

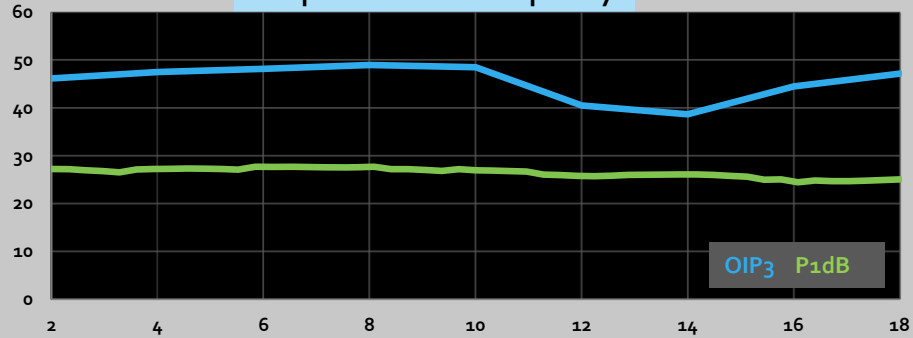
S-Parameters vs Frequency



Noise Figure vs Frequency



Output Power vs Frequency



RF AMPLIFIERS

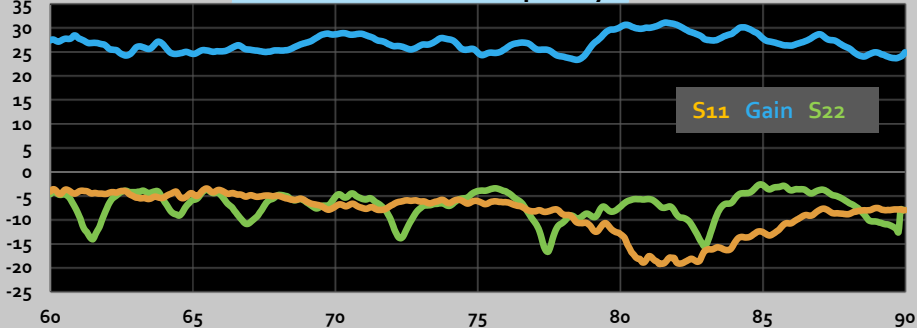
AFB-E27LN-02

Features:

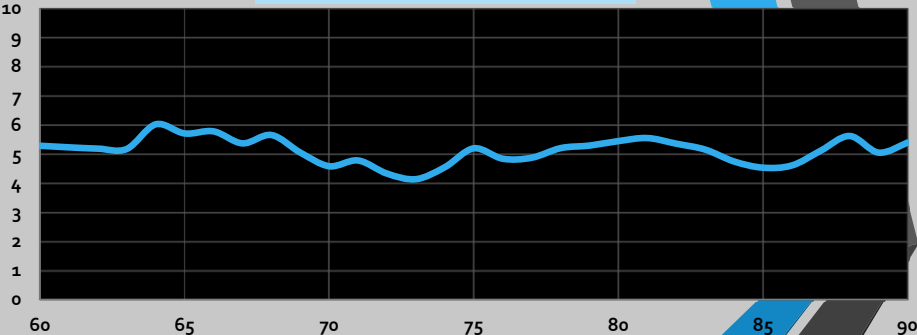
- Frequency: 60 to 90 GHz
- Gain: 27 dB (typ)
- Gain Flatness: +/- 3 dB (typ)
- Noise Figure: 4.0 dB (typ), 5.5 dB (max)
- VSWR: 2:1 (typ)
- DC BIAS: 6-12V/ 70mA (typ)
- I/O Connectors: WR-12 Waveguide with UG-387/U Flanges

RF AMPLIFIERS

S-Parameters vs Frequency



Noise Figure vs Frequency



RF AMPLIFIERS

Other Options Available

- Amplifiers can be tuned to specific frequency band or frequency ranges
- Requirements can be optimized to meet specific parameter
- Hermetically sealed versions available