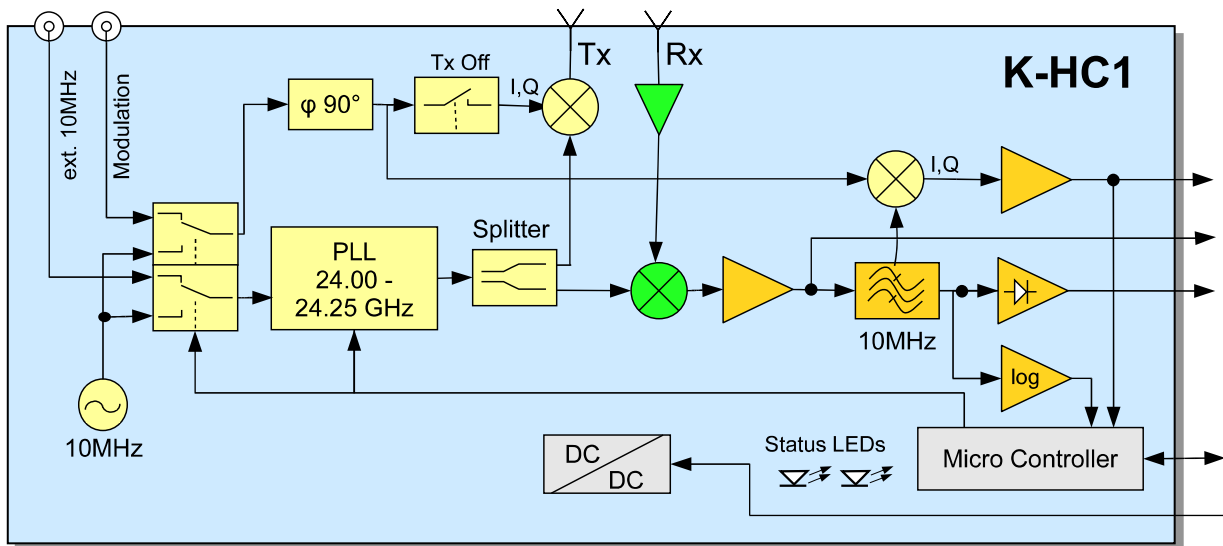


K-HC1 SUPERHET RADAR TRANSCEIVER

Highlights

- High Sensitivity (@6dB S/N): -144dBm / -164dBc (BW = 1kHz)
- Low Phase Noise: -95 dBc (@ 100kHz)
- High Frequency Stability: 1ppm/°C
- Digital PLL Tuning Steps: 1MHz
- PLL Settling Time: < 10µs
- Sender OFF Isolation: > 30dB
- Logarithmic Output Dynamics: > 90dB
- IF Output Frequency Range: 10kHz ... 100MHz
- Doppler I and Q Outputs: 3Hz ... 15kHz
- Host Interface: USB Virtual Com Port
- Antenna Polarization: Linear (circular option on request)



Application Examples

- Long Distance Movement Sensors
- Presence Detectors
- Measurement Equipment

K-HC1 is produced using RFbeam MIS (Microwave In System) technology