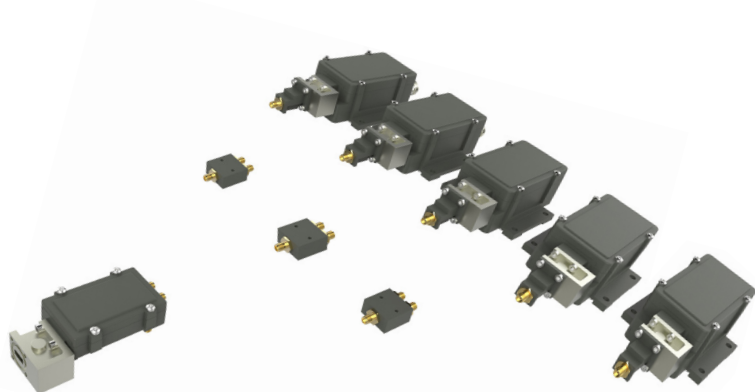


## Ka-Band Five System

Receives five Ka-Bands simultaneously



The Ka-Band Systems consists of Ka LNA Wideband with waveguide isolator, Ka splitters, Ka BDCs with waveguide isolators and matched Ka cables. Comes standard with Low Phase Noise to meet DVB-S2X Professional services.

Options include customized LO, customized frequency ranges, customized gain, separate DC power input and separate input for the external 10 MHz reference.

### Features

- Wide frequency range
- Choose between Internal Ref. or External Ref. input models
- DVB-S2X compliant Low phase noise
- High P1dB and IP3
- Wide operating temperature range

### TECHNICAL SPECIFICATIONS

MODEL:	FIVE BAND SYSTEM 17.30 - 22.30 GHz, p/n 557918-ED				
Input Frequency	17.30-18.375 GHz	18.35-19.425 GHz	19.40-20.475 GHz	20.45-21.525 GHz	21.50-22.30 GHz
LO Frequency	16.35 GHz	17.40 GHz	18.45 GHz	19.50 GHz	20.55 GHz
Output Frequency	950-2025 MHz	950-2025 MHz	950-2025 MHz	950-2025 MHz	950-1750 MHz
Gain	63 dB typ.				
Flatness	±0.4 dB max. within 30 MHz ±2 dB max. over each band				
Noise Figure / Noise Temperature	1.8 dB / 149 K typ.				
Phase Noise	-40 dBc @ 10 Hz -65 dBc @ 100 Hz -85 dBc @ 1 kHz -90 dBc @ 10 kHz -95 dBc @ 100 kHz -112 dBc @ >1 MHz typ.				
Image Rejection	30 dB min.				
Output P1dB	+15 dBm typ.				
Output IP3	+25 dBm typ.				
Output VSWR	2.1:1 typ.				
Output Connector	SMA-type 50Ω				
Input LNA	Waveguide WR 42 / R 220. Flange PBR 220.				
Input BDC	SMA-type 50Ω				
Input VSWR	1.4:1 max. (with Waveguide isolator)				
LO Leakage	-60 dBm @ RF input				
MODELS with Internal Reference	±1 ppm -40 to +60°C (±1.5 ppm -40 to +80°C) / ±2.5 ppm -40 to +60°C (±3.5 ppm -40 to +80°C)				
MODELS with External 10 MHz Ref.	Sine Wave, Level: -15 to +5 dBm. Supplied through output connector (with no ext. 10 MHz ref. present LO shifts -20 ppm)				
DC Input BDC	+15 to +24 V, Supplied through output connector				
Power BDC	5 W typ.				
Dimensions BDC	178 x 80 x 44 mm				
Weight BDC	399 g				
DC Input LNA	+15 to +24 V / 110 mA typ. Supplied through separate SMA connector (bottom side)				
Power LNA	1.32 W @ 12VDC 2.64 W @ 24VDC typ.				
Dimensions LNA	100 x 47 x 34 mm ( for drawing, see <a href="http://www.smw.se">www.smw.se</a> )				
Weight LNA	154 g				
Temperature Range	-40 to +80°C				
Options	Separate DC input (SMA), separate 10 MHz ref. input (SMA)				

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