Product suite specially fitted for high throughput satellite payloads (HTS). They provide separation or combination of the channels coming from the gateway (Dmux) or the user spots (Cmux). Different configurations are available depending on specific equipment location: pre-LNA or post-LNA.

/// Waveguide, coaxial and dielectric resonator based channels
/// Bandpass, lowpass and stopband responses
/// Technology suitable to narrow band (<36 MHz) and wide band (>1000 MHz) channels
/// From C to Q band

COMPETITIVE ADVANTAGES

/// Qualified technologies with wide heritage
/// Very low mass and dimensions. Stacked configuration for minimum footprint
/// Low loss solution, with manifold coupled channels, available (preferred for pre-LNA configuration)
/// Solutions in aluminium & INVAR material to fit customer specifications (performance/cost trade-off)
/// Bandpass, lowpass and stopband responses. Complex transfer functions available
/// Up to 1 GHz bandwidth channels
C Band DMUX/CMUX

/// Optimized cost, mass and dimensions
/// Aluminum monoblock technology
/// Complex transfer functions: tailorable, over 10 pole and transmission zeroes
/// Temperature range (operational): -30°C to +80°C

Ku Band DMUX/CMUX

/// Optimized cost, mass and dimensions
/// Manifold coupled Low Loss Invar monoblock technology
/// Complex transfer functions: typically 6 poles, 2 transmission zeroes in pre-LNA configuration
/// Temperature range (operational): -30°C to +80°C

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