

NMT-EL MONITORING MODEM FOR COMTECH DEVICES



- Adding monitoring function to the Comtech manufactured devices
- Management of return path ingress control switches
- Helps to keep OPEX low

GENERAL DESCRIPTION

The logical and control transponder functions in the new generation of the COMTECH electronically adjusted devices are implemented in the MCU of the base device. This makes possible connecting to the monitoring system by a lightweight, cost effective modem unit instead of a complete transponder, this unit is the NMT-EL. The minimal power need and a unified interface interoperable with all new designed COMTECH types make the module really universal.

TECHNICAL SPECIFICATIONS

Forward path RF parameters

Input level range [dBμV]	20...80
Frequency range [MHz]	119...159, 177...301
Frequency raster [kHz]	50

Reverse path RF parameters

Output level [dBμV]	60
Receiver frequency range [MHz]	5...65
Frequency raster [kHz]	50
Bandwidth [kHz]	400
Modulation	FSK ±67kHz

General parameters

Power supply voltage [VDC]	3.3
Maximum power consumption [W]	≤0.4
Operational temperature range [°C]	-40...+60

ORDERING INFORMATION

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Specifications are subject to change without notice!