

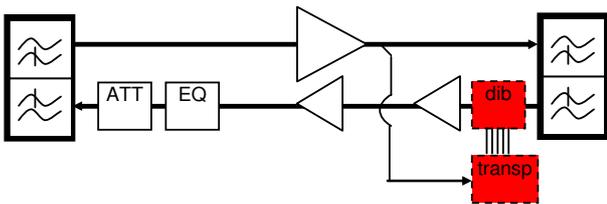
Proxilliant's **Cable Access Management System (CAMS)** is a comprehensive, integrated hardware and software solution for cable-based service health management. With Dynamic Ingress Blockers (dlb's) deployed throughout the HFC plant – typically near the last amplifiers – together with the Service Health Manager software, CAMS delivers comprehensive, precise and actionable information **and** actively reduces quality-eroding ingress. This uniquely powerful combination dramatically reduces trouble-shooting time and costs in the field and delivers greater upstream bandwidth to be used reliably for VoIP and commercial services.

The **Transponder module** is a module suitable for easy integration into other devices such as amplifiers, taps e.t.c..



Features

- Cost efficient
- Prepared for dlb module control
- Standalone or used together with Proxilliant Service Health Management (SHM) Software for precise monitoring and pinpointing of ingress and other impairment in the network



Specifications

PHYSICAL

- 52 x 29 x 12 mm

ELECTRICAL

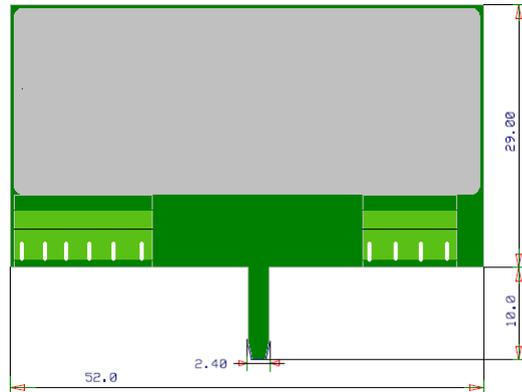
- Carrier frequency, forward (also used as pilot): 108-132 MHz
- Input level: recommended -10 dB relative to analog TV
- Measurement accuracy, forward: +/- 2 dB
- Carrier frequency, return (used as pilot): 5-15 MHz
- Output level: Fixed @ -3 dB relative DOCSIS
- Allocated bandwidth: 250 kHz;
Frequency step: 100 kHz
- Modulation: FSK
- Data format: Asynchronous, Manchester
- Data rate: 19.2 Kbps

POWER

- Consumption: 1 W Maximum
- ~135 mA @ +5V
- ~30 mA @ +9 V

ENVIRONMENTAL

- Operating temperature: -10 to 80 °C



The Transponder module is equipped with two connectors, for connection to the amplifier main board

6 - pin connector

- Return By-pass
- Return Block
- dlb control
- dlb control
- +5V
- GND

4-pin connector

- +9V
- FSK TX (to dlb)
- GND
- FSK RX (tap typically via 1k5 from CATV out of amps ~30 dB)