CLSI-016J7

ADSL2+/POTS Krone MDF splitter

Specification

ADSL2+/POTS Krone MDF splitter CLSI-016J7 split ADSL sginal and analog or digital telephone line. Hardware solution with Krone plug in part is suitable for use in Krone LSA+ connectors.

Functions and features

- Small dimensions
- Easy installation
- Use in Krone LSA+ connectors

Package

- 1x ADSL2+/POTS Krone splitter CLSI-016J7

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Parameters

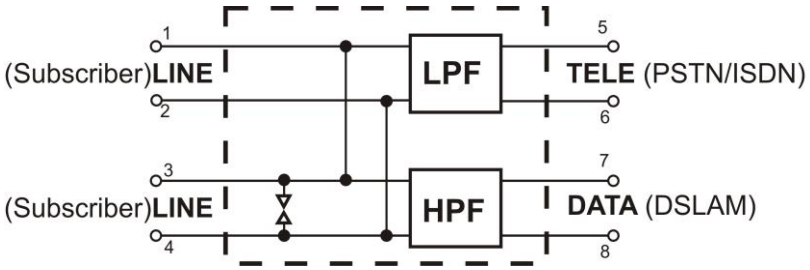
- General

Compatible with Krone LSA+ series 2 MDF
ISDN-Combo splitter
POTS 600 Ohm and ISDN 135 Ohm (2B1Q)
Integrate Low-pass filter
Integrate High-pass filter 2x27nF
Integrate overvoltage protection
Meets ETSI TS 101 952-1-4
Compatible with ADSL2+
Passive Elements Only and V0 acc. UL94
Handles loop current up to 100mA
Operating temperature range -40°C to 70°C

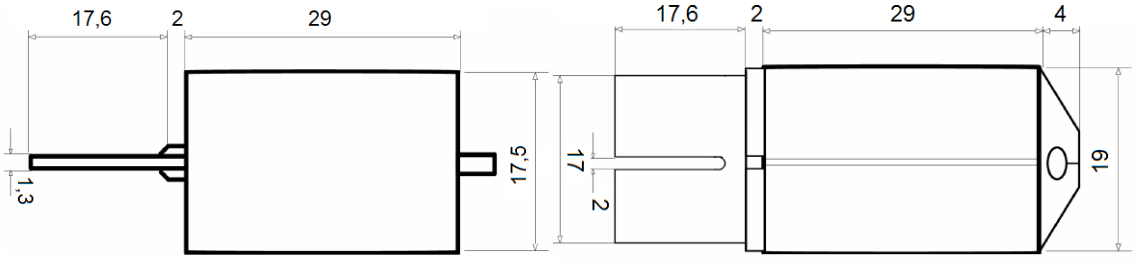
- Electrical characteristics

Splitter parameters	Range	Values
DC resistnace to earth		≥20MΩ
DC insulation resistance between A – wire and B - wire		≥5MΩ
DC series resistance		≤12.5Ω
Pass band insertion loss for ISDN (with ADSL2+ load)	1-60KHz	<1.2dB
	60-80KHz	<2.0dB
Pass band insertion loss for ISDN (without ADSL2+ load)	1-60KHz	<1.5dB
	60-80KHz	<2.5dB
Pass band return loss for ISDN (with ADSL2+ load)	1-60KHz	>16.0dB
	60-80KHz	>14.0dB
Pass band return loss for ISDN (without ADSL2+ load)	1-60KHz	>12.0dB
	60-80KHz	>10.0dB
Requirements relating to metering pulses at 12KHz or 16KHz	12-16KHz	<3.0-5.0dB
Unbalance about earth	0.05-4KHz	>40.0dB
	4-30KHz	>40.0dB
	30-1104KHz	>50.0dB
	1.1-2.2MHz	>30.0dB
Isolation requirements (ISDN)	150-1104KHz	>65.0dB
	1-2.2MHz	>55.0dB
Audible noise level requirements		≥75dBm/Hz
ADSL2+ band noise level requirements (a LE splitter)	138-2208KHz	≥125dBm/Hz
ADSL2+ band noise level requirements (a TE splitter)	138-2208KHz	≥140dBm/Hz
POTS band inter modulation distortion requirements		>57dB@2nd
		>60dB@2nd
ISDN band delay distortion	1-80KHz	<20uS
ADSL2+ insertion loss	120-170KHz	<3dB
	170-2208KHz	<1dB
Requirements related to POTS transient effects		≤2Vp-p

- Structure



- Dimensions



- Terminating impedances