



RMS-01P024U01I

The RMS-01P024U01I Splitter Rack-Mount Shelf is designed to mount in 19 inch equipment racks. RJ21 50-pins telco connectors are provided for connection to the outside plant line, the POTS switch equipment (PSTN), and ADSL transmission unit (DSLAM).

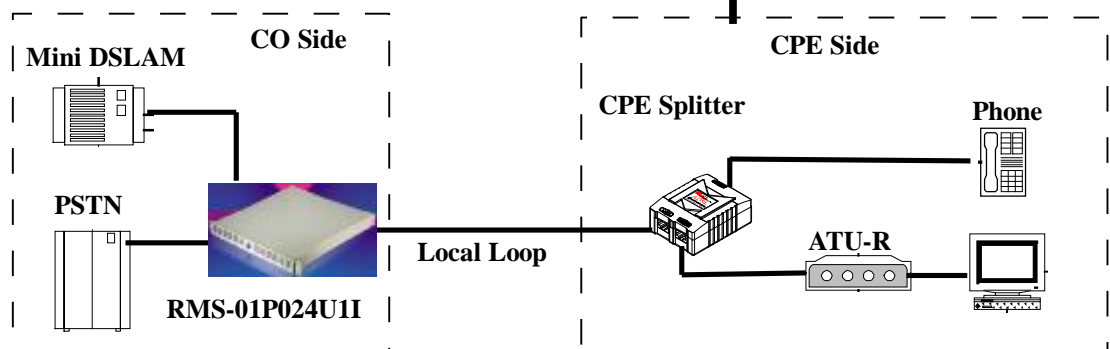
The RMS-01P024U01I contains up to 24 splitter circuit, . Each splitter circuit consists of a low pass filter, with surge protect circuit for connection to PSTN plus DC blocking capacitors for connections to the DSLAM

The RMS-01P024U01I integrate low pass filter that block the high frequency energy from reaching the POTS device and also provide isolation from impedance effects of the POTS device on ADSL device.

Each splitter circuit consists of a low pass filter is designed to match 600 ohms line termination and long loop impedance.

Features / Benefits

- 19-inch equipment rack mounting for central office applications
- 24-line capacity
- 1 U rack units tall
- DC blocking capacitors and line surge protect circuit included
- Other configuration options available for request



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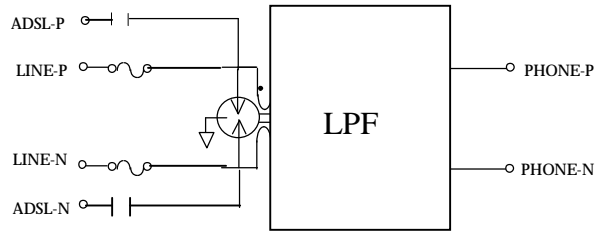


Electrical Specification		
Splitter parameter	Electrical requirements	
	Range	values
Frequency range		
Splitter bandwidth		DC to 4KHz
Nominal voice band		0.2KHz to 4KHz
ADSL band		30KHz to 1104KHz
Line Impedance ZL	$300\text{Hz} < f < 3.4\text{KHz}$	$Z_{tc}=600\text{ohm}$, $Z_r=600\text{ohm}$
Modem impedance	$30\text{KHz} < f < 1104\text{KHz}$	100 ohm
Current voice band		
Loop current		<100mA
DC Resistance		
DC Resistance		≤ 50 ohm
Isolation resistance tip/ring		>10 Mohm
Voice –band characteristic		
Insertion loss	1004Hz	<1.0 dB
Distortion	200~4000Hz Ref 1kHz	<+/-1 dB
Billing tone	16KHz	3 dB to 5 dB
Delay distortion	200Hz < f < 4KHz	<200 usec
Return loss	SRLH	>4dB
	ERL	>8dB
	SRLl	>16dB
Longitudinal conversion loss LCL	300~600Hz	>40dB
	600~3400Hz	>46 dB
ADSL band characteristic		
Stop band attenuation	$32\text{KHz} < f < 1104\text{KHz}$	>45 dB

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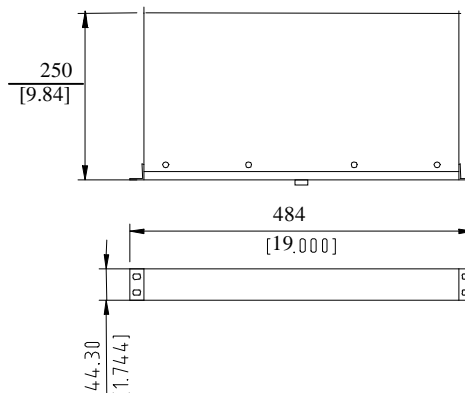


Low Pass Filter Circuit

Pin assignment

Connector	Pin1 ~ Pin24	Pin25	Pin27 ~ Pin50	Pin26
LINE	LINE-1P ~ LINE-24P	NC	LINE-1N ~ LINE-24N	NC
PHONE	PHONE-1P ~ PHONE-24P	NC	PHONE-1N ~ PHONE-24N	NC
MODEM	MODEM-1P ~ MODEM-24P	NC	MODEM-1N ~ MODEM-24N	NC

Shelf Outline Dimension



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