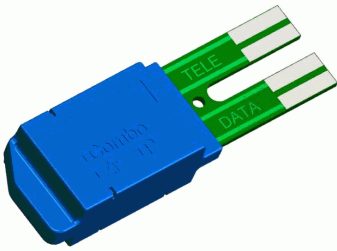


# MP18-540 Series COMBO SPLITTER



- COMBO splitter(CO)
- POTS 600ohm&ISDN 135ohm/150ohm
- Integrate Low-pass and High-pass Filter
- Meets ETSI TS 101 952-1-4
- Compatible with ADSL2+ / VDSL
- Passive Elements Only and V0 acc. UL94

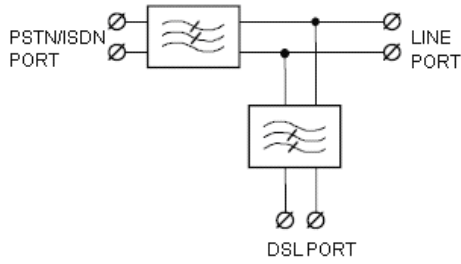
## ■ Electrical Characteristics @25°C

ITEM	FREQUENCY	SPECIFICATION
DC Current		100mA MAX
Total DC Resistance		12.5Ω MAX
ISDN Impedance		135Ω(150Ω*)
ISDN Insert Loss	1.0kHz - 40kHz	-0.8dB MAX
	1.0kHz - 60kHz*	-1.2dB MAX
	40kHz - 80kHz	-1.2dB MAX
	60kHz - 80kHz*	-2dB MAX
ISDN Return Loss	1.0kHz - 40kHz	-16dB MIN
	1.0kHz - 60kHz*	
	40kHz - 80kHz	-14dB MIN
	60kHz - 80kHz*	
ISDN Group Delay	1.0kHz - 80kHz	20μs MAX
POTS Impedance		600Ω
POTS Insert Loss	1.0kHz	-1.0dB MAX
POTS Insert Loss Distortion relative to 1.0kHz	200Hz - 4kHz	1.0dB MAX
POTS Return Loss	300Hz -1.6kHz	-15dB MIN
	1.6kHz - 3.4kHz	-12dB MIN
POTS Group Delay	200Hz - 4kHz	200μs MAX
xDSL Isolation	138kHz - 150kHz	-55dB MIN
	150kHz - 1104kHz	-65dB MIN
	1104kHz - 12MHz	-55dB MIN
	12MHz-30MHz(VDSL2)	-45dB MIN

\*: Electrical Characteristic for ISDN Impedance 150Ω

Structure

Model for Order



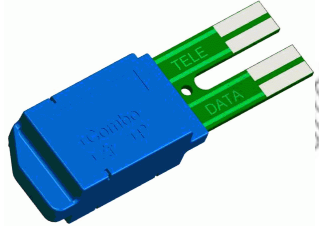
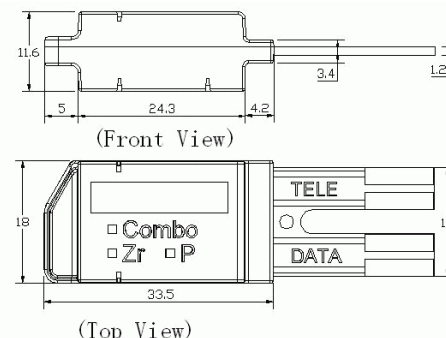
Model	Diagram No.
MP18-541	1
MP18-541A	2
MP18-542	3
MP18-543	4

\*Custom splitter can be designed to meet specific requirements

Apparatus Diagram (Unit: mm)

<p>1、MP18-541</p>	<p>(Top View)</p> <p>(Front View)</p>	
<p>2、MP18-541A</p>	<p>(Top View)</p> <p>(Front View)</p>	

<p>2、MP18-542</p>	<p>(Top View)</p> <p>(Front View)</p>	
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<p>3、MP18-543</p> 	 <p>(Front View)</p> <p>(Top View)</p>	
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