



One input to eight output 10 MHz Splitter



Amplification and distribution of one incoming 10 MHz sync signal to eight output ports.

Key Features

- 10 MHz 50-ohm coaxial infrastructure
- Transparent distribution of one input to eight independent outputs
- Two 10 MHz Splitter in one 1U height 19" box (option)
- Simple operation visual control by single front panel lamp
- Simple remote control by two floating contacts
- Signal squelch in case of input signal loss
- Low profile, low power consumption, simple maintenance

10 MHz Splitter Technical Data

Input parameters

Input connector	BNC Female
Input impedance	50 ohm; coaxial (ITU-T G.703/20)
Input signal wave form	Sine or square wave
Nominal frequency	10 MHz ± 0.05 MHz
Minimum sinusoidal input signal level	1 Vpp
Return loss	10 MHz ≥ 15 dB

Output parameters

Output connectors	BNC Female
Output impedance	50 ohm; coaxial (ITU-T G.703/20)
Output wave form	ITU-T G.703 Fig 20-1 (Sine wave form)
Nominal peak voltage	1.8 Vpp

Transmission parameters

Signal flow from input to outputs	Transparent
Signal flow on outputs as LOS on input	Squelched
Signal flow in case of power failure	Input signal bypass to Output-1

10 MHz Splitter Technical Data

Alarm outputs

Alarm outputs	Two floating contact Max. 60 Vdc; max. 100 mA
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Alarm outputs and front panel lamp signs

EVENT	X1 (LOS) CONTACT	X2 (AIS) CONTACT	FRONT PANEL LAMP
No input power	Closed	Closed	Dark
No input 10 MHz signal	Closed	Open	Red
Input is not 10 MHz	Closed	Closed	Yellow
Input is valid, normal state	Open	Open	Green

Power supply

Input voltage range	38 to 70 Vdc reverse voltage and over voltage protected
Fuse	0.2 A "T"
Power rating	3W (Single splitter unit)

Environmental condition

Operating conditions	EN 300 019-1-3 Class 3.2 (Partly temperature controlled locations).
Operating temperature range	-5 to +45 °C
Relative humidity	5-95%

10 MHz Splitter Technical Data

Size and weight

Size 1U; 19" (422 x 203 x 44 mm)

Weight 1.8 kg (Single splitter unit)

Back plane view



PolyNet Ltd. reserves the right to change the specifications for improvement without notice.
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