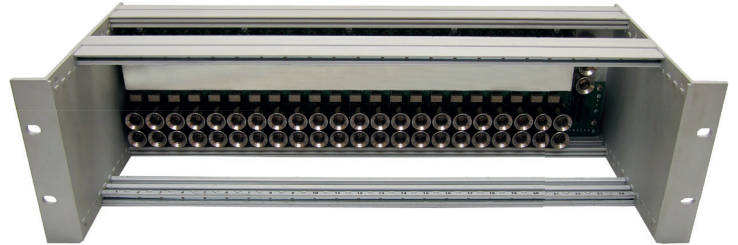


MRO-100G/BP

- **19" 3RU rack for narrowcast inserter solution**
- **Integrated 22-way broadcast splitter**
- **170mm deep**
- **All RF connections on the front for easy access**
- **Recessed design to allow for cable bends**
- **Removable cooling solution on the rear**
- **Hot swappable rack for NCI-521 and NCC-x222G**



Overview

The MRO-100G/BP is the mounting rack for the Technetix narrowcast inserter solution, housing a single NCC-x222G controller and up to 22 x NCI-521 narrowcast inserters.

The rack contains a backplane that all modules are plugged into. No connections need to be made at the back of the rack after installation. The 22-way broadcast splitter, all powering, addressing and control signals are integrated into the backplane. The broadcast feed is automatically terminated when a module is removed, allowing the narrowcast inserters to be hot-swapped.

MRO-100G/BP

Specifications

		MHz	Min	Typ	Max
Frequency range			40		1006
Return loss (dB) ¹	All ports	40 - 1006	22.0		
Insertion loss (dB)	Broadcast input 1..3 to Broadcast output			16.0	
Flatness	All ports	40 - 862 862 - 1006		± 0.25 ± 0.5	±0,5 ±0.75
Supply voltage (V)			15	24	26
Supply current (mA) ²				90	100
Temperature range (°C)	Operational Operational, reduced specifications Storage		5 0 -20		45 55 85
Humidity (%)	Non condensing		5		95
Screening efficiency (dB, min) ³		5 - 300 300 - 470 470 - 950 950 - 1006			85.0 80.0 75.0 55.0
BC splitter termination ⁴	75 ohm termination			Automatic	
Interfacing	Control			LoCon	
Number of inputs	Broadcast			3	
Number of outputs	Broadcast			22	
Connectors ⁵	Input (back panel) Outputs (back panel) Power (back panel) Power supply monitoring (back panel) Fan module power (back panel)			F-female F-male 2 pole phoenix male 6 pole phoenix 3 pole phoenix male	
Impedance (Ohm, typ)	RF ports			75	
Dimensions	H x W x D			3RU x 19" x 170 mm	
Equipment Approval	CE / RoHS compliant				

Other related products

[NCI-521 - Narrowcast inserter](#)

[NCI-521-12](#)

[NCC-2222G](#)

[NCC-1222G - Controller and broadcast amplifier/divider](#)

[RPS-UNI - Universal redundant power supply rack \(110V AC, 230V AC or 48V DC\)](#)

[PSD-xxx - DC/DC converter series plug-in power supply for RPS-UNI](#)

[PSA-xxx - AC/DC converter series plug-in power supply for RPS-UNI](#)

Remarks

1	At F = 40 MHz F > 40 MHz -1,5 dB/octave
2	125mA extra when cooling unit is used
3	According to IEC 50083-2 2006 4.3.3.1 to 4.3.3.3
4	Broadcast feed is automatically terminated when no module is placed
5	F female connectors inner contact = 0.7 to 1.3 mm

Patents are pending for the MRO technology described in this document.

Ordering information

Item Name	Article number
MRO-100G/BP	11102101

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