MAXNET® II

Platinum Series

Patented
U.S.# 7,142,414

3RU Active Chassis
(front view)

Pads / EQs / Connectors / Accessories

MCX to F & BNC Adapters

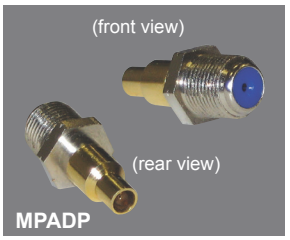
- Accommodates the transition from an MCX connector environment to a legacy F or BNC connector environment
- Ideal for network analyzer calibration or for using a spectrum analyzer on MAXNET® II front test points

D3.1/CCAP™ Compliant

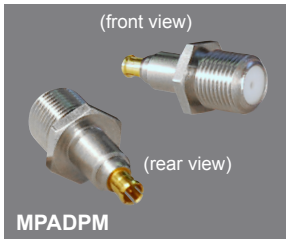
1.2 GHz

Male MCX to Male BNC Adapter Cable

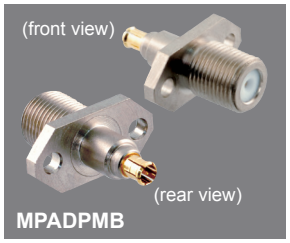
Male MCX to Male F Adapter Cable



Female MCX to Female F Adapter



Male MCX to Female F Adapter



MCX to F Adapter Bulkhead Mount

Ordering Information

Part number	Description
MPM-B	Male MCX to Male BNC 13” Adapter Cable
MPM-F	Male MCX to Male F 13” Adapter Cable
MPADP	Female MCX to Female F Adapter
MPADPM	Male MCX to Female F Adapter
MPADPMB	Replacement MCX to F Adapter, Bulkhead Mount

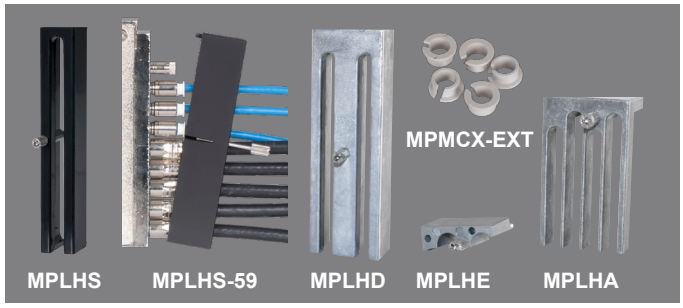
Specifications

MCX to F & BNC Adapter

IL < 0.1 dB, 5-1220 MHz
RL > 28 dB, 5-1220 MHz

Locking Header Blocks

- Optional header block easily installed onto rear of module in order to lock connectors in place & increase reliability



Ordering Information

Part Number	Description
MPLHS	Locking Header Block for Single-width Passives & Actives
MPLHS-59	Single width header block for use with MPMCX-HEC2 connectors.
MPLHD	Locking Header Block for Dual-width Passives Only
MPLHA	Locking Header Block for Dual-width Actives Only
MPLHE	Extension Plate for use with Inline Attenuators on Dual-width Actives
MPMCX-EXT	Extension piece for MPMCX-C and/or MPMCX-CQ when used with MPLHS-59. **WARNING!** to avoid potential disconnects, a MPMCX-EXT MUST be used when combining MPMCX-C and/or MPMCX-CQ connectors and a MPLHS-59 header block.

Plug-in Pads/EQs & Pad Insertion/Extraction Tool

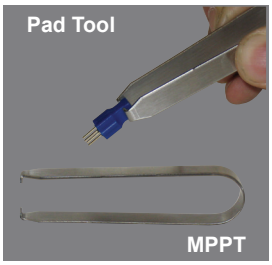
- Plug-in pad & EQs allow for RF signal adjustments at various locations in the network lash-up
- Compact form factor in order to conform to MAXNET II modules
- Pads & EQs can be easily inserted or removed with fingertips or by using the pad tool
- Plug-in pads are available from 0-20 dB in 1 dB increments, 16-20 dB recommended for return band only
- Now offering higher value pads above 20 dB for return path applications only

Specifications

Plug-in Pad

PART NUMBER	PAD VALUES	FREQUENCY RANGE	IMPEDANCE	RETURN LOSS	TILT	FLATNESS	COLOR
MP-0PAD	0 dB	5-1218 MHz	75 Ω	≥ 20 dB	N/A	N/A	Blue
MP-*PAD	1-20 dB	5-1218 MHz	75 Ω	≥ 20 dB	≤ 0.5 dB	+/- 0.2 dB	Blue
	* = dB Value 23, 24, 25, 26, 27, 28, 29, 30 or 34	5-250 MHz	75 Ω	≥ 20 dB	≤ 0.5 dB	+/- 0.2 dB	Blue

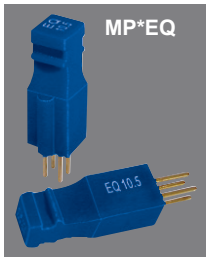
* = Pad Value



NOTE:
Temperature -20°C to +60°C (-4°F to +140°F), power handling min. 70 dBmV.

Plug-in 1 GHz EQ

PART NUMBER	EQ VALUES	SLOPE 1000/45 MHz	INSERTION LOSS	EQ TOLERANCE	RETURN LOSS	IMPEDANCE	COLOR
MP1.5EQ	1.5 dB	1.4 dB	≤ 1 dB	+/- 0.5 dB	≥ 18 dB	75 Ω	Blue
MP3EQ	3 dB	3.2 dB	≤ 1 dB	+/- 0.5 dB	≥ 18 dB	75 Ω	Blue
MP4.5EQ	4.5 dB	3.8 dB	≤ 1 dB	+/- 0.5 dB	≥ 18 dB	75 Ω	Blue
MP6EQ	6 dB	5.1 dB	≤ 1 dB	+/- 0.5 dB	≥ 18 dB	75 Ω	Blue
MP7.5EQ	7.5 dB	6.2 dB	≤ 1 dB	+/- 0.5 dB	≥ 18 dB	75 Ω	Blue
MP9EQ	9 dB	7.1 dB	≤ 1 dB	+/- 0.5 dB	≥ 18 dB	75 Ω	Blue
MP10.5EQ	10.5 dB	8.7 dB	≤ 1 dB	+/- 0.5 dB	≥ 18 dB	75 Ω	Blue



* = EQ Value

Plug-in 85 MHz EQ

	FREQUENCY	MPEQL85-2	MPEQL85-4	MPEQL85-6	MPEQL85-8	MPEQL85-10	MPEQL85-13
INSERTION LOSS	5 MHz	2.5	4.5	6.5	8.5	10.5	13.5
	15 MHz	2.3	4	5.8	7.5	9.3	11.9
	40 MHz	1.6	2.8	3.9	5	6.1	7.8
	F_{max} = 85	0.5	0.5	0.5	0.5	0.5	0.5
LINEARITY*	5 to F_{max}	0.3 dB	0.3 dB	0.3 dB	0.3 dB	0.3 dB	0.3 dB
RETURN LOSS	5 to F_{max}	18 dB	18 dB	18 dB	18 dB	18 dB	18 dB

* = EQ Value

NOTE:
* Maximum deviation from a linear trend line between typical loss at F_{min} & F_{max}

Plug-in 204 MHz EQ

	FREQUENCY	MPEQL204-1	MPEQL204-2	MPEQL204-3	MPEQL204-4
INSERTION LOSS	5 MHz	1.5	2.5	3.5	4.5
	F_{max} = 204	0.5	0.5	0.5	0.5
LINEARITY*	5 to F_{max}	0.3 dB	0.3 dB	0.3 dB	0.3 dB
RETURN LOSS	5 to F_{max}	18 dB	18 dB	18 dB	18 dB

* = EQ Value

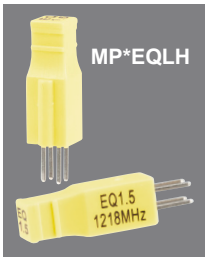
NOTE:
* Maximum deviation from a linear trend line between typical loss at F_{min} & F_{max}

Plug-in Pads/EQs & Pad Insertion/Extraction Tool

Specifications

Plug-in 1.218 GHz EQ

PART NUMBER	EQ VALUES	SLOPE 1218/45 MHz	INSERTION LOSS	EQ TOLERANCE	RETURN LOSS	IMPEDANCE	COLOR
MP1.5EQLH	1.5 dB	.5 dB	≤ 1 dB	+/- 0.3 dB	≥ 18 dB	75 Ω	Yellow
MP3EQLH	3 dB	2 dB	≤ 1 dB	+/- 0.3 dB	≥ 18 dB	75 Ω	Yellow
MP4.5EQLH	4.5 dB	3.5 dB	≤ 1 dB	+/- 0.3 dB	≥ 18 dB	75 Ω	Yellow
MP6EQLH	6 dB	5 dB	≤ 1 dB	+/- 0.3 dB	≥ 18 dB	75 Ω	Yellow
MP7.5EQLH	7.5 dB	6.5 dB	≤ 1 dB	+/- 0.3 dB	≥ 18 dB	75 Ω	Yellow
MP9EQLH	9 dB	8 dB	≤ 1 dB	+/- 0.3 dB	≥ 18 dB	75 Ω	Yellow
MP10.5EQLH	10.5 dB	9.5 dB	≤ 1 dB	+/- 0.3 dB	≥ 18 dB	75 Ω	Yellow



* = EQ Value

NOTE:
Temperature -20°C to +60°C (-4°F to +140°F), power handling min. 70 dBmV.

Ordering Information

Part Number	Description
MP-*PAD	Plug-in Pad, 1218 MHz (* = dB value, 0-20 dB) (must order in quantities of 10)
	Return Path Pad, 5-250 MHz (* = dB Value 23, 24, 25, 26, 27, 28, 29, 30 or 34) (must order in quantities of 10)
MP*EQ	Plug-in EQ, 1000 MHz (* = dB value, 1.5-10.5 dB) (must order in quantities of 10)
MPEQL85-*	Plug-in EQ, 85 MHz (* = dB value, 1-13 dB) (must order in quantities of 10)
MPEQL204-*	Plug-in EQ, 204 MHz (* = dB value, 1-4 dB) (must order in quantities of 10)
MP*EQLH	Plug-in EQ, 1218 MHz (* = dB value, 1.5-10.5 dB) (must order in quantities of 10)
MPPT	Pad/EQ Insertion and Extraction Tool

Inline MCX Pads

- High quality, compact, gold-plated inline pads with MCX Female to MCX Male connections
- Available from 1-10 dB in 1 dB increments, as well as 12, 14, 16, 18, & 20 dB

* = Pad Value

Specifications

Inline MCX Pads

IL < 0.5 dB, 5-1220 MHz
RL > 20 dB, 5-1220 MHz

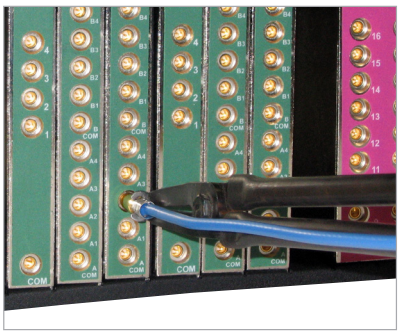
Ordering Information

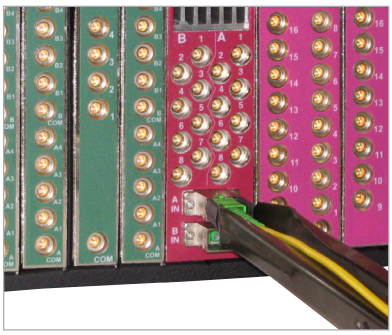
Part Number	Description
MP*PI	Inline MCX Pads (attenuators) (* = 1 to 10, 12, 14, 16, 18, 20 dB)

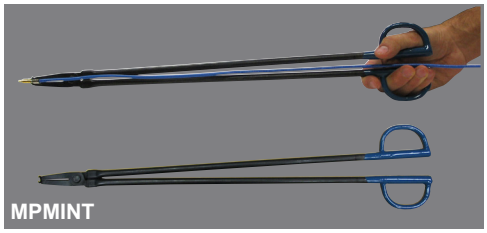
Tools

- Mechanically optimized tools to allow for easy installation or extraction of MCX terminated miniature coaxial cable or SC/APC terminated fiber into/out of modules in a MAXNET II chassis
- Installation of connectors is more reliable & efficient using ATX's connector tools

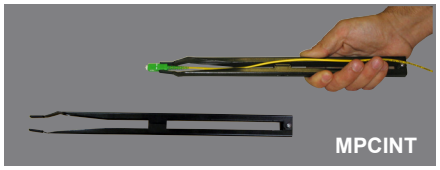
Mini Cable and Fiber Installation & Extraction Tools







Length 21"
For use with MCX connectors/terminators



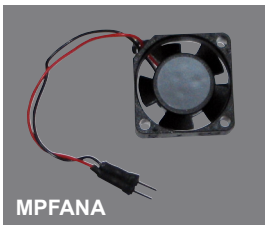
Length 13"
For use with fiber connectors & MCX connectors/ terminators

Ordering Information

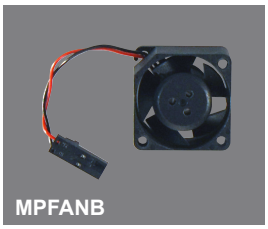
Part Number	Description
MPMINT	MCX Connector/Terminator Installation/Extraction Tool
MPCINT	Fiber/MCX Connector Installation/Extraction Tool

Replacement Fans

- Front access replacement fans for power supplies, amplifiers, legacy receivers & legacy transmitters



For use with Power Supplies, Amplifiers & Legacy Receivers



For use with Legacy Transmitters

Ordering Information

Part Number	Description
MPFANA	Replacement Fan for MAXNET II Power Supplies, Amplifiers & Legacy Receivers
MPFANB	Replacement Fan for MAXNET II Legacy Transmitters

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