

## MAXNET® II Platinum Series

RF & Optical Signal Management

Patented  
U.S.# 7,142,414



Minicable Connectors/Tools, Terminators & Optical Attenuators

3RU Active Chassis  
(front view)

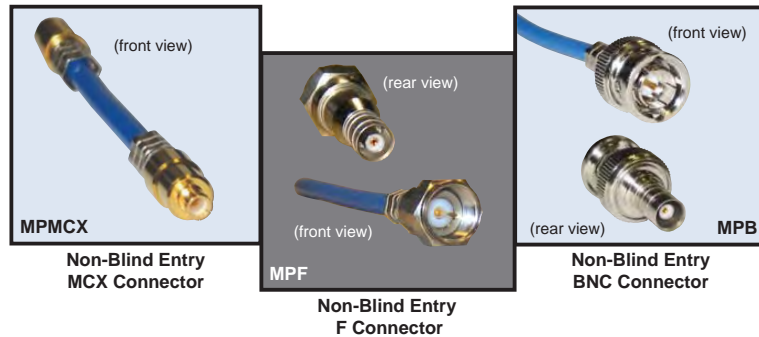


### Connectors & Connector Installation Tools:

#### Crimp, Fixed-Pin Crimp, & Compression:

- ▶ This combination of MCX, F, & BNC crimp, fixed-pin crimp, & compression connectors for miniature coaxial cable enable users to easily interface between the MCX based MAXNET®II platform and legacy F equipment
- ▶ Non-blind entry feature allows for easy field installation and reassures installers that a solid connection is made
- ▶ Optimized RF performance

#### Non-Blind Entry Crimp



#### Cable Compatibility:

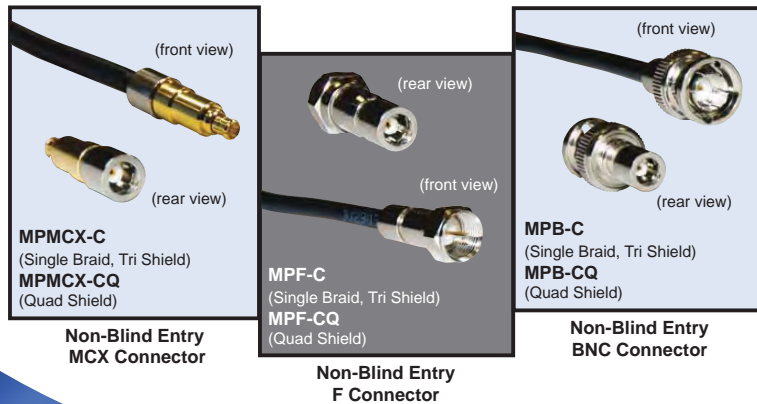
Any Belden, Commscope or TFC single braid or tri shield mini 75 ohm coax

#### Tools to Use:

Crimp Tool - MPCT, Strip Tool - MPCST

IL < 0.1 dB, 5-1000 MHz
RL > 28 dB, 5-1000 MHz

#### Non-Blind Entry Compression



#### MPMCX-C / MPF-C / MPB-C:

#### Cable Compatibility:

Any Belden, Commscope or TFC single braid or tri shield mini 75 ohm coax

#### Tools to Use:

Compression Tool - MPNBCT, Strip Tool - MPCST

#### MPMCX-CQ / MPF-CQ / MPB-CQ:

#### Cable Compatibility:

Any Belden, Commscope or TFC quad shield mini 75 ohm coax

#### Tools to Use:

Compression Tool - MPNBCT, Strip Tool - MPCPT-7691

IL < 0.1 dB, 5-1000 MHz
RL > 28 dB, 5-1000 MHz

## RF & Optical Signal Management

### Connectors & Connector Installation Tools (cont'd):

#### Connector Installation Tools

**Crimp Tool**



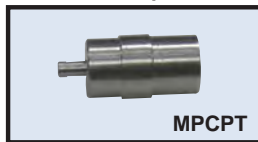
For use with MPMCX, MPF & MPB

**Compression Tool**



For use with MPMCX-C / MPMCX-CQ, MPF-C / MPF-CQ & MPB-C / MPB-CQ

**Cable Prep Tool**



Separates the braid from the dielectric for a smoother connector fit (optional)

**Cable Strippers**



For use with MPMCX / MPMCX-C, MPF / MPF-C, & MPB / MPB-C



For use with ATX mini coax quad shield connectors only (MPMCX-CQ, MPF-CQ, & MPB-CQ)

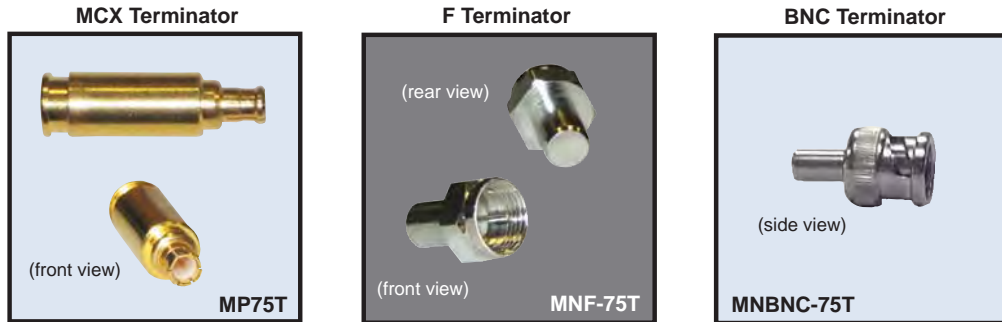
#### Ordering Information

Part Number	Description
MPMCX	Non-blind MCX Crimp Connector - Mini Dual/Tri Coax
MPMCX-C	Non-blind MCX Compression Connector - Mini Dual/Tri Coax
MPMCX-CQ	Non-blind MCX Compression Connector - Mini Quad Coax
MPF	Non-blind F Crimp Connector - Mini Dual/Tri Coax
MPF-C	Non-blind F Compression Connector - Mini Dual/Tri Coax
MPF-CQ	Non-blind F Compression Connector - Mini Quad Coax
MPB	Non-blind BNC Crimp Connector - Mini Dual/Tri Coax
MPB-C	Non-blind BNC Compression Connector - Mini Dual/Tri Coax
MPB-CQ	Non-blind BNC Compression Connector - Mini Quad Coax
MPCT	Crimp Tool for Mini Cable Crimp Connectors
MPCPT	Mini Cable Preparation Tool
MPNBCT	Compression Tool for MPMCX-C / MPMCX-CQ, MPF-C / MPF-CQ & MPB-C / MPB-CQ Connectors
MPCST	Cable Stripper for ATX Mini Coax Connectors - Dual/Tri Coax
MPCPT-7691	Mini Coax Stripper .25"/.25" for ATX Mini Coax Quad Shield Connectors
MPCST-B	Replacement Blade Set for MPCST Mini Cable Stripper



### Terminators:

- ▶ 75 ohm F, BNC, & MCX terminators with optimized RF performance
- ▶ Allows for high performance termination of unused MAXNET® II module ports



RL > 28 dB, 5-1000 MHz

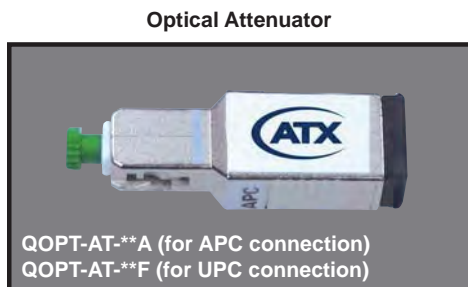
### Ordering Information

Part Number	Description
MP75T	MCX 75 ohm Terminator
MNF-75T	75 ohm RFI Tight F Terminator
MNBNC-75T	75 ohm RFI Tight BNC Terminator

### Optical Attenuator:

- ▶ Precise attenuation value
- ▶ Excellent return loss
- ▶ Dual window (1310nm/1550nm)
- ▶ Offered in 1 dB increments

### Optical Attenuator Specifications



\*\* = Attenuator Value in dB (01 to 30 available)

SPECIFICATIONS		VALUE
WAVELENGTH		1310nm and 1550nm
ATTENUATION RANGE		1 dB - 30 dB
BAND PASS		+/- 50nm
ATTENUATION VARIATION	1 - 10 dB	+/- 0.5 dB
	10 - 15 dB	+/- 1.0 dB
	15 - 30 dB	+/- 2.0 dB
REFLECTANCE	UPC	> 56 dB
	APC	≥ 67 dB
OPERATION TEMPERATURE		-40°C - 75°C
STORAGE TEMPERATURE		-50°C - 85°C

### Ordering Information

Part Number	Description
QOPT-AT-**A	SC-APC Optical Attenuator (** = 01 to 30 dB in 1 dB increments)
QOPT-AT-**F	SC-UPC Optical Attenuator (** = 01 to 30 dB in 1 dB increments)

*Specifications subject to change without notice*