



PowerCat 6 FTP Angled MOD-SNAP III Module

Features and Benefits

The FTP Angled MOD-SNAP III Module is part of the PowerCat 6 FTP product range that has been designed to support a growing requirement for shielded cabling systems. Offering enhanced EMC protection and improved Alien Crosstalk performance this module is suitable for the support of 10G Base-T. Also ideal for floor box applications, the product is a fully assembled unit featuring the shuttered FTP DataGate Plus™ connector in a 37.5 x 22mm fascia (BT6C size). The angled design reduces patch cord bend radius particularly in shallow floor box installations. The Angled MOD-SNAP III Module can also be used in the MOD-SNAP range of wall plates.

The FTP MOD-SNAP III module features the FTP DataGate Plus Category 6 connector allowing 180° and 90° cable exit. This superior connector provides 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the RJ45 IDC. The FTP DataGate Plus connector includes a unique integral shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords.

Suitable for high-speed data transmission, the FTP DataGate Plus Category 6 connector has been designed to exceed the highest electrical performance standards in the industry and has been independently tested and verified by ETL SEMKO for Category 6 component compliance. The FTP DataGate Plus connector is also backwards compatible with FTP C5E systems.

- 37.5 x 22mm fascia
- 360° shielded shuttered RJ45 DataGate Plus component compliant connector
- Protected labelling facility
- Floor box and wall plate compatible
- Angled fascia

Compliant With

TIA/EIA-568-B.2-1, FCC Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002

Approvals

UL-1863 (Pending)
 CSA (Pending)
 ETL Verified for Category 6 Component Compliance

Technical Information

Mechanical Characteristics

Jack Connector

Can: 0.25mm brass to C2680R pre-plated tin over nickel
 Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
 Operating Life: Minimum 750 insertion cycles
 Contact Material: Copper Alloy
 Contact Plating: 1.25 micrometres Au/Ni
 Contact Force: 100g minimum
 Plug Retention Force: 6.8kg.

IDC Connector

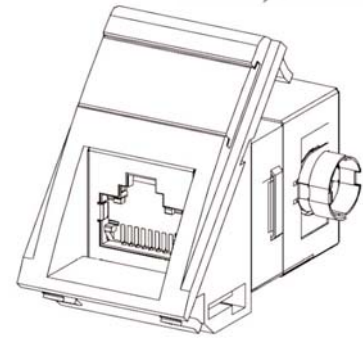
Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
 Operating Life: Minimum 20 reterminations
 Contact Material: Copper Alloy
 IDC Contact Plating: Tin/Lead Plate
 Contact Force: 100g minimum
 Wire Accommodation: 22-24 AWG solid

Electrical Characteristics

Interface Resistance: 20mΩ
 Initial Contact Resistance: 2.5mΩ
 Insulation Resistance: >100 MΩ

Minimum Backbox Depth Requirement: 40mm 90° cable entry may not possible in certain styles of floor boxes or back boxes.

Termination Tool: 110
 Shipping Weight: 325g (Pk of 10)



| Order No. | Description |
|----------------|--|
| MMS-00015-02-D | FTP Angled MOD-SNAP III DataGate Plus RJ45 568B Cat 6, White |
| MMS-00014-02 | MOD-SNAP III Blank Module |



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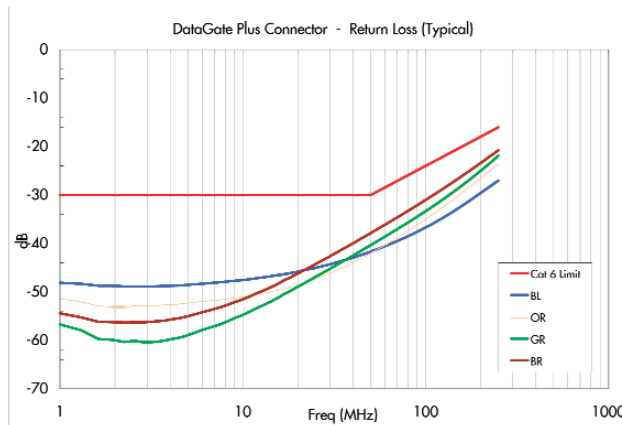
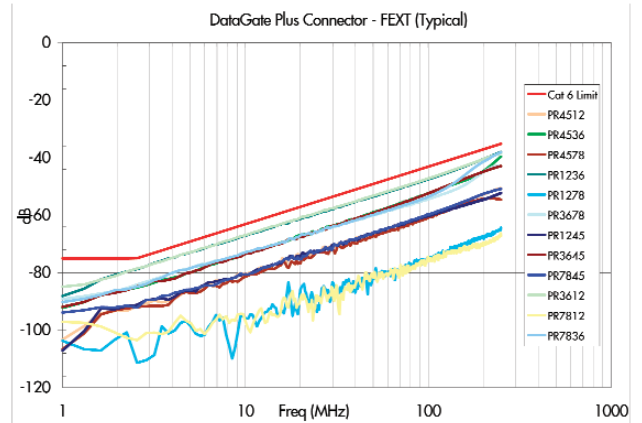
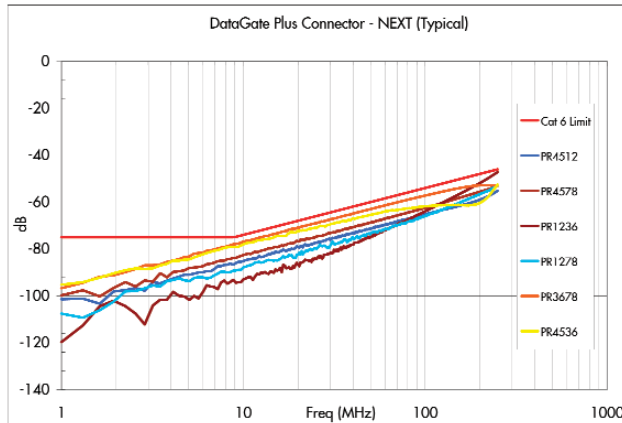
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| DataGate Plus Worst Case (dB) | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------------|-------|----------------|-------|--|
| Frequency (MHz) | NEXT | | FEXT | | Return Loss | | Insertion Loss | | |
| | SPEC | MOLEX | SPEC | MOLEX | SPEC | MOLEX | SPEC | MOLEX | |
| 1 | -75.0 | -95.3 | -75.0 | -84.9 | -30.0 | -48.1 | -0.10 | -0.02 | |
| 4 | -75.0 | -85.3 | -71.1 | -75.0 | -30.0 | -48.8 | -0.10 | -0.02 | |
| 8 | -75.0 | -79.1 | -65.0 | -68.9 | -30.0 | -47.9 | -0.10 | -0.02 | |
| 10 | -56.1 | -77.2 | -63.1 | -67.1 | -30.0 | -46.7 | -0.10 | -0.02 | |
| 16 | -69.9 | -73.0 | -59.0 | -62.9 | -30.0 | -43.1 | -0.10 | -0.02 | |
| 20 | -68.0 | -70.8 | -57.1 | -60.8 | -30.0 | -41.3 | -0.10 | -0.02 | |
| 25 | -66.0 | -68.9 | -55.1 | -59.1 | -30.0 | -39.3 | -0.10 | -0.02 | |
| 31.25 | -64.1 | -67.2 | -53.2 | -57.2 | -30.0 | -37.4 | -0.11 | -0.02 | |
| 62.5 | -58.1 | -61.1 | -47.2 | -51.4 | -28.0 | -31.2 | -0.16 | -0.03 | |
| 100 | -54.0 | -57.3 | -43.1 | -47.2 | -24.0 | -26.9 | -0.20 | -0.05 | |
| 200 | -48.0 | -50.7 | -37.1 | -40.5 | -18.0 | -20.2 | -0.28 | -0.07 | |
| 250 | -46.0 | -48.7 | -35.1 | -38.0 | -16.0 | -18.2 | -0.32 | -0.09 | |

NOTE:
 Performance values shown in dB.
 For NEXT, FEXT and Return Loss: the higher the negative value the better the performance (e.g. -73.0 better than -69.9)
 For Insertion Loss: the lower the negative value the better the performance (e.g. -0.02 better than -0.10)

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