



## GENERAL

The Model C10645M is a distributed filter/splitter for use with each item of Customer Equipment (CE) connected on a PSTN Line that has an overlay DSL service. Its purpose is to attenuate the DSL signal before reaching the PSTN connected CE, it also protects the DSL transmission performance from transients and interferences generated from the CE. The C10645M has improved performance over its predecessors, and tested extensively for compatibility with ADSL, ADSL2 and ADSL2+ services

## APPLICATIONS

- High performance Dynamic filters are used throughout subscribers premises to isolate interferences between ADSL transmissions and all voice band equipment/devices such as telephone sets (including cordless types), answering machines, facsimile (fax) machines, V90 modems, automatic diallers and recorder connectors.
- Noise-Free, Dynamic Distributed Filter, suitable for easy self-install for single or multiple filters in parallel on the same line.
- Direct connection to Australian conventional 600 series socket without the use of a string of adaptors and cords, offer neat and compact connection, and improve reliability. ADSL Modem port (unfiltered) is also provided for ADSL Modem connection without the need of a double adaptor.

## FEATURES

- Conforms to Telstra RCIT 0004
- Conforms to AS/ACIF S041:2005; S002 – App. F; TS001, TS002 and AS/NZS60950(AS3260) safety.
- Meet ETSI 101 952-1-5v1.1.1(2003-05) standard
- G.dmt, G.Lite, ADSL2, ADSL2+ compatible.
- Isolate telephone equipment impedances from the ADSL and Home Phone Network (HPN) house wiring.

- Attenuate ADSL and HPN signals to telephone equipment to prevent conversion to voice band signals.
- Attenuate HPN signals to unbalanced telephone equipment to prevent radiation into electronic equipment.
- Attenuate radio signals picked up by unbalanced telephone acting as an antenna from affecting ADSL and HPN receivers.

## TECHNICAL SPECIFICATIONS

### Electrical

Network Interface:

<b>LINE</b>	<b>606 Plug</b>
<i>Analogue Port:</i>	
<b>LOCAL PHONE</b>	<b>610 socket</b>
<i>Modem Port:</i>	
<b>ADSL MODEM</b>	<b>RJ45 (with 8P-to-6P Adaptor Insert)</b>

### Physical

Material Plastic high impact ABS

Dimensions:

Height	31.5	mm
Width	42	mm
Length	60.5	mm

### Ordering Information

<b>C10 Model No.</b> <b>C10645M</b>	<b>C10 Part No.</b> 1078695
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Other configurations available upon request.

8P-to-6P Adaptor Insert to allow reliable connections of RJ11 plugs to RJ45 Jack.

C10 products are subject to continuous development and improvement and we reserve the right to change specifications without notice.

**C10 Communications**

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