The Fibre Optic Hermaphroditic range has now developed an additional product, the Hermaphroditic Duplex. This product has been specially designed to facilitate the interconnection of Fibre Optic Cable assemblies, thus eliminating the need for polarising the assemblies and the use of in-line adapters.

- Lightweight, small design, outer diameter of coupling ring measures less than 22.00mm
- Low loss ceramic PC technology in multimode and singlemode
- Connector and monobloc environmentally sealed
- Fully hermaphroditic wipe clean bayonet mating mechanism
- Fully removable front receptacle shell, for cleaning whilst in situ
- Plug backshell allows for the removal of the ferrule monobloc for ease of cleaning
- Choice of materials and plating
- High tension cable load capability
Technical Information

HDM PLUG ASSEMBLY
HDM-062XX-014

SPANNER FLATS 5/8
Ø0.850
21.6mm

HDM MONOBLOC SUB ASSEMBLY
HDM-49-06-014
Ø0.487 MAX
12.36mm

HDM IN-LINE FREE JAM NUT
RECEPTACLE ASSEMBLY
HDM-072XX-014

SPANNER FLATS 5/8
Ø0.880
22.35mm

TO SUIT HDM-062XX-XXX
AND HDM-072XX-XXX

HDM LOOP BACK PLUG
HDM-062RX-018

2.65 REF
67.3mm

HDM PANEL MOUNT JAM NUT
RECEPTACLE ASSEMBLY
HDM-072RX-011

Ø0.850 TYP
21.5mm

HDM DUST CAP ASSEMBLY
960-990
Ø25mm
33.5 REF

RECOMMENDED PANEL PIERCING
FOR HDM-072XX-XXX SCALE 1:2
30.20mm MIN
17.65mm}

17.53mm
## HDM Series – Hermaphroditic Duplex Miniature

### Performance

<table>
<thead>
<tr>
<th><strong>Optical</strong></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Insertion Loss</td>
<td>Typically 0.3dB using 62.5/125</td>
</tr>
<tr>
<td>Repeatability</td>
<td>&lt;0.15dB</td>
</tr>
<tr>
<td>Fibre Types</td>
<td>50/125 62.5/125 9/125</td>
</tr>
<tr>
<td>Termination Method</td>
<td>Epoxy / Polish</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Environmental</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Temperature Range</td>
<td>-55°C / +85°C cable dependant</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Mechanical</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Durability</td>
<td>500 matings</td>
</tr>
<tr>
<td>Materials</td>
<td>Shell : Aluminium</td>
</tr>
<tr>
<td></td>
<td>Ferrule : Zirconia</td>
</tr>
<tr>
<td></td>
<td>Alignment Sleeve : Ceramic</td>
</tr>
<tr>
<td></td>
<td>Seals : Silicone</td>
</tr>
</tbody>
</table>

### Termination Tooling

| **Basic Kit** | 927 – 100 – 3000 |
| **HDM Add On** | 927 – 100 – 4200 |
| **Consumable Pack** | 927 – 100 – 6000 Approx 50 terminations |
Part Number Information

HDM - XX2XX - XXX

Series
06 Plug
07 Panel Mount Receptacle

RW Olive Drab Cadmium
RZ Olive Drab Zinc Cobalt
ZA – Hard Black Anodised

Cable Variant (other cable options available on request)
021 Simplex Ruggedised 2mm O/D multimode (Receptacle only)
011 Simplex Ruggedised 3mm O/D multimode (Receptacle only)
014 Duplex 5.5mm O/D multimode
018 Loop Back version Duplex multimode
075 Singlemode (Receptacle only)
076 Singlemode (Plug only)

Sub Assembly

HDM - 49 - XX - XXX

Series

Sub Assembly

06 Plug
07 Jam Nut Receptacle In Line

Cable Variant
See above

Front Shell Sub Assembly

HDM - 49 - 062 - XX

Series

Front Shell Sub Assembly

062 Plug

Finish
See above

Dust Cap 960-990 - Includes Terelene Cord and Crimp ferrule

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Amphenol
Thanet Way, Whitstable, Kent, CT5 3JF Tel: 01227 773200 Fax: 01227 276571
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