# Excel Enbeam LC Singlemode 1dB Attenuator

**Part Code: 208-562**

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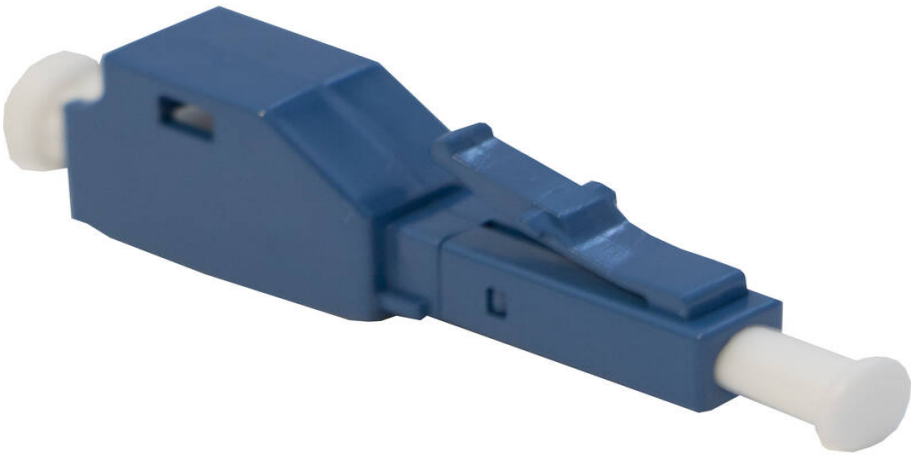

## Main Features

/ Compact design

/ Easy to connect/ disconnect

/ Available in SC/APC, SC/UPC, LC/UPC and LC/APC

/ Available in fixed attenuation values of 1/2/5/10/15/20 dB

/ 25 Year system warranty

## Product Overview

The Excel Enbeam Fixed value attenuators are used to match signal power to receiver dynamic range in optical networks. The Excel range of singlemode high performance devices are designed to give accurate attenuation over a wide range of wavelengths.

The plug type configuration allows easy to use functionality 'straight out of the box'. This allows connection directly to the fibre patch cord, for insertion onto the adaptor.

## Product Specifications



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| Feature | Values |
|---|---|
| Signal attenuation | **1 dB** |
| Ambient temperature | **-40...75 °C** |
| Fibre type | **Single mode 9/125** |
| Connector connection 1 | **LC** |

## Additional specifications

| Features | Values |
|---|---|
| Ferrule Type | **Zirconia Ceramic** |
| Operating Wavelength (nm) | **1310nm, 1550nm** |
| Attenuation accuracy 1-5 dB | **±0.5dB** |
| Attenuation accuracy 10 dB | **±0.75dB** |
| Attenuation accuracy 15-20 dB | **±10% overall dB** |
| Return loss (UPC) | **≥55dB** |
| Return loss (APC) | **≥65dB** |
| Mating Durability | **≥1000 cycle** |
| Housing | **Zinc Alloy** |


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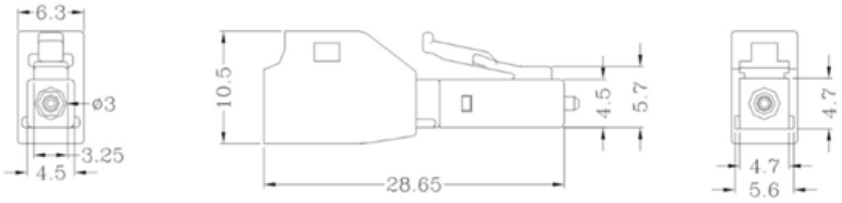
## Product drawing




## Standards

| Applicable standard | Detail |
|---|---|
| Directive 2011/65/EU (RoHS II) | Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states). |
| Directive (EU) 2015/863 (RoHS III) | Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant. |
| IEC 61754-1:2013 | Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance |
| Directive 2008/98/EC (WFD) | Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988). |
| ECHA SCIP Database | Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH. |
| Regulation (EU) 2019/1021 (POPs) | EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355). |
| UK SI 2012 No. 3032 | The Restriction of the Use of Certain Hazardous |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Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

## Part Code Table

| Part Code | Description |
|---|---|
| 208-562 | **Excel Enbeam LC Singlemode 1dB Attenuator** |
| 208-563 | **Excel Enbeam LC Singlemode 2dB Attenuator** |
| 208-564 | **Excel Enbeam LC Singlemode 5dB Attenuator** |
| 208-565 | **Excel Enbeam LC Singlemode 10dB Attenuator** |
| 208-566 | **Excel Enbeam LC Singlemode 15dB Attenuator** |
| 208-567 | **Excel Enbeam LC Singlemode 20dB Attenuator** |
| 208-568 | **Enbeam LCA singlemode 1db attenuator** |
| 208-569 | **Excel Enbeam LCA Singlemode 2dB Attenuator** |
| 208-570 | **Excel Enbeam LCA Singlemode 5dB Attenuator** |
| 208-571 | **Excel Enbeam LCA Singlemode 10dB Attenuator** |
| 208-572 | **Excel Enbeam LCA Singlemode 15dB Attenuator** |
| 208-573 | **Excel Enbeam LCA Singlemode 20dB Attenuator** |
| 208-574 | **Enbeam LC/UPC Singlemode 3 dB Attenuator** |
| 208-575 | **Enbeam LC/UPC Singlemode 7 dB Attenuator** |


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