

Excel Enbeam SC Singlemode 2dB Attenuator

Item Code: 208-551

excel
without compromise.



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

| Feature | Values |
|------------------------|-------------------|
| Signal attenuation | 2 dB |
| Ambient temperature | -40...75 °C |
| Fibre type | Single mode 9/125 |
| Connector connection 1 | SC |

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 |

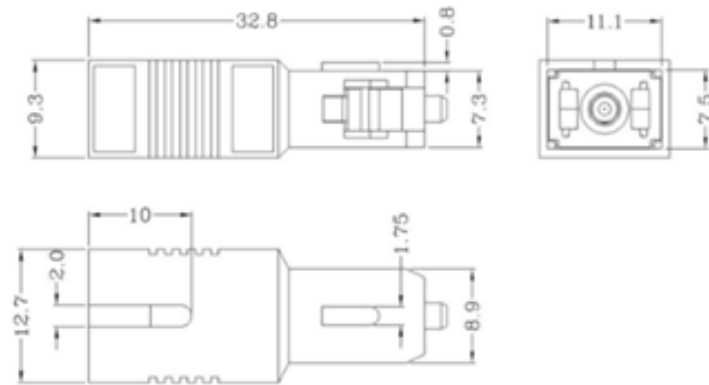
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| | |
|-------------------------------|-----------------|
| Attenuation accuracy 15-20 dB | ±10% overall dB |
| Return loss (UPC) | ≥55dB |
| Return loss (APC) | ≥65dB |
| Mating Durability | ≥1000 cycle |
| Housing | Zinc Alloy |

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. |

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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 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 Number Table

| Part Number | Description |
|-------------|---|
| 208-550 | Enbeam SC singlemode 1db attenuator |
| 208-551 | Excel Enbeam SC Singlemode 2dB Attenuator |
| 208-552 | Excel Enbeam SC Singlemode 5dB Attenuator |
| 208-553 | Excel Enbeam SC Singlemode 10dB Attenuator |
| 208-554 | Excel Enbeam SC Singlemode 15dB Attenuator |
| 208-555 | Excel Enbeam SC Singlemode 20dB Attenuator |
| 208-556 | Excel Enbeam SCA Singlemode 1dB Attenuator |
| 208-557 | Excel Enbeam SCA Singlemode 2dB Attenuator |
| 208-558 | Excel Enbeam SCA Singlemode 5dB Attenuator |
| 208-559 | Excel Enbeam SCA Singlemode 10dB Attenuator |
| 208-560 | Excel Enbeam SCA Singlemode 15dB Attenuator |
| 208-561 | Excel Enbeam SCA Singlemode 20dB Attenuator |
| 208-576 | Enbeam SC/APC Singlemode 3 dB Attenuator |
| 208-577 | Enbeam SC/APC Singlemode 7 dB Attenuator |

Excel is a world class premium performing end to end infrastructure solution designed, Manufactured, supported and delivered without compromise.

Contact us at sales@excel-networking.com



E&OE. Excel is a registered trade name of Mayflex Holdings Ltd.