

## U-Band Optical Reflector



### Key Features

- Low insertion loss and reflectance at traffic wavelength
- High reflectance at test wavelength
- Easy to install
- Exceptional reliability and environmental stability
- Compatible with GPON, EPON, GEAPON, 10GEPON, NGPON

### Applications

- Create high reflectance at the termination of a PON without disturbing traffic
- Test reflectance from the central office
- Check optical continuity of a subscriber when adding them or troubleshooting

JDSU U-Band optical reflector\* uses coating technology to reflect optical signal of the U-Band.

With wide bandwidth and low insertion loss, JDSU reflectors are ideal to create high reflectance at the termination of a passive optical network (PON) without disturbing traffic.

The reflectance that these reflectors cause can be tested from the central office using a high-resolution optical time domain reflectometer (OTDR). Thus, it is possible to test PONs at different steps of the life cycle: construction, provisioning, and troubleshooting.

Packaged in a solid case, the reflector can be easily inserted between the optical network termination/optical network unit (ONT/ONU) and the PON leg termination.

**Specifications at 25°C (Typical)**

Connector Types	SC/APC Male and SC/UPC Female	
	1260–1581 nm	1625–1675 nm
Reflectance <sup>1</sup>	–35 dB	–10 dB
Attenuation <sup>2</sup>	0.5 dB	

**Ordering Information**

Reference	Description
E98UBRSCPCAPC	U-Band Reflector SC/PC - SC/APC

<sup>1</sup> Assuming physical contact mating with zero air gap at fiber stub interfaces

<sup>2</sup> Excluding the connectors optical insertion losses

*\*Patent pending*

**Test & Measurement Regional Sales**

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