

## Optical Splitters Specifications 1x16, 1x32, 1x64

### ACT Optical Passives Optical Splitters (AOS )

#### Optical Specification

<b>Centre wavelength</b>	1260 nm to 1350 & 1460 to 1620 nm
<b>Configuration</b>	1x16, 1x32, 1x64
<b>Insertion Loss</b>	Various See below chart
<b>Uniformity (dB)</b>	<=1.2 (1x16); <=1.5 (1x32); <=2.5 (1x64)
<b>Directivity</b>	≥ 55 dB
<b>Polarization Dependent Loss</b>	<=0.4
<b>Return loss</b>	≥ 55 dB ( Bare Fiber or APC )
<b>Connectors</b>	SC/APC, SC/PC, LC/APC, LC/PC
<b>Fiber Types</b>	900um, 2mm, or 3mm

#### General Specifications

<b>Operating Temp, °C</b>	-20 to 70
<b>Storage Temp, °C</b>	-40 to 85
<b>Operating relative humidity, %</b>	5 to 95
<b>Dimensions (W x D x H)</b>	LGX, Flat Box, or splice fiber tray
<b>Weight, kg</b>	Weight varies depending on model.

Split ratio	Typical Insertion Loss dB	Max Insertion Loss dB
1x16 Balanced	13	13.5
1x32 Balanced	16	16.9
1x64Balanced	19.5	21.0

*Note: Contact ACT for different packaging options. Weight will vary depending on model. Losses excluding connector Loss (a pair of connector loss max: 0.5dB)*

