cloudtronics

BiDiMATE
40/100G OVER SINGLE CORE

The Cloudtronics BiDiMate provides a unique solution to convert 40G or 100G LR4 or ER4 TX and RX paths that traditionally use 2 fibres into a 1 fibre solution. With the use of this passive device 10G Bi-Direction 1 fibre links can now be upgraded to 40G or 100G.
The BidiMate is a solution that can enable fibre mining (saving fibres) or capacity expansion, where 2 fibres can provide 2 x 100G links.

Specification

No	Parameters	Specification
1	Operating Wavelength Range (nm)	1271-1331
2	Insertion Loss (dB) [Port 1 to Port 2]	≤1.1
3	Isolation (dB) [Port 2 to Port 1]	≥40
4	Return Loss (dB) [Port 1]	≥50
5	Channel Cross Talk [Port 1 to Port 3]	≥50
6	Maximum Power Handling (mW)	500
14	Operating Temperature	-0°C ~+ 70°C