

### FEATURES

- Passive coarse wavelength division multiplexer/de-multiplexer
- Available as 5-way or 9-way (V6706)
- Bi-directional
- Operates over wavelengths between 1310nm & 1610nm

ALLOWS UP TO 5 OR 9 DIFFERENT WAVELENGTHS OF LIGHT TO BE MIXED INTO A SINGLE FIBRE.



Coarse Wave Division Multiplexing is a useful technique to maximise the bandwidth capacity of fibre. It allows up to 5 (V6705) or 9 (V6706) different wavelengths of light to be mixed into a single fibre. Most CWDM modules operate at wavelengths between 1470nm and 1610nm, but both modules have an additional 1310nm wavelength, allowing for 5 and 9-way capacities, rather than the more common 4 and 8-way. Both modules are bidirectional, so a single pair of V6705 modules at each end of a fibre link could, for example, handle 4 transmission paths in one direction, and one in the reverse direction.

The modules are designed to be fitted from the front of the V1600 series racks, and although as passive devices no control or monitoring is possible, they do confirm their presence to Pro-Bel Control Systems.

# V6705 & V6706

Fibre CWDM

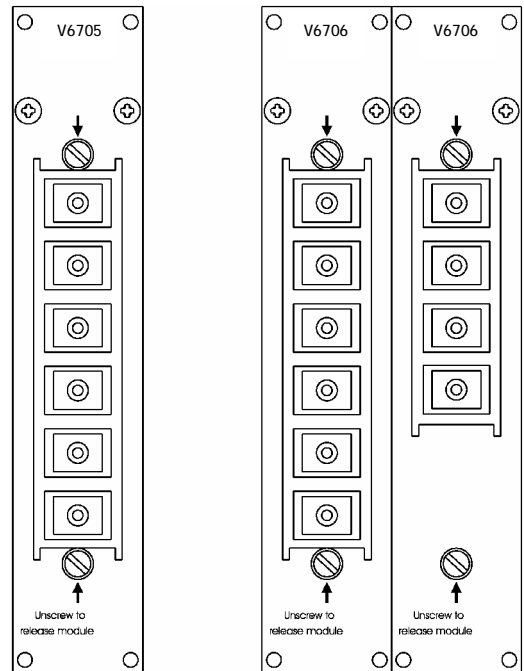
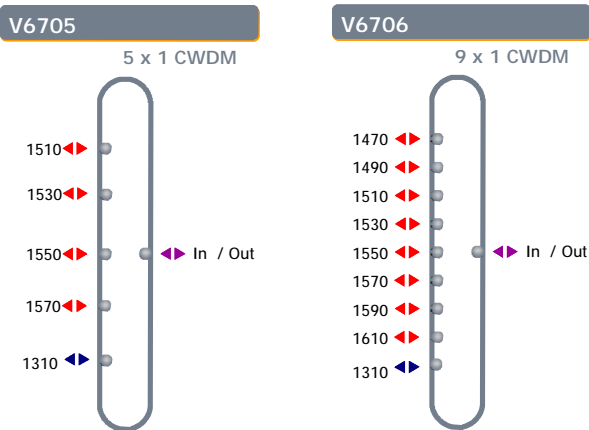
## Technical Specification

### Optical

Connector	SC/PC
Wavelength	V6705: 1310nm, 1510nm, 1530nm, 1550nm, 1570nm V6706: 1310nm, 1470nm, 1490nm, 1510nm, 1530nm, 1550nm, 1570nm, 1590nm, 1610nm
Tolerance	1310nm +/- 10nm 1470nm - 1610nm +/- 3nm
Insertion loss	V6705: 2.7dB (max) V6706: 4dB (max)
Isolation	20dB (min)
Directivity	55dB (min)
Fibre type	Single mode

### Ordering Information

V6705	5-way CWDM
V6706	9-way CWDM



[WWW.PRO-BEL.COM](http://WWW.PRO-BEL.COM)

UK +44 (0) 1189 866 123      USA +1 631 549 5159      France +33 (0) 1 45 18 39 80

