



TEST CERTIFICATE

Certificate numberXXXXX.....

This is to Certify that the following "ModCon" Mode Controller

Part numberXXXXX

Serial numberXXXXX.....

has been tested in accordance with the requirements of TIA EIA-455-43 FOTP-43 Output Near-Field Radiation Pattern Measurement of Optical Waveguide Fibers and and that this product has the following values of Near Field width

Near Field Launch condition at 850 and 1300nm for Modal Controller in 62.5/125 fiber

Intensity (% of max)	Measured value @850nm	Measured value @1300nm	Maximum value (µm)	Minimum value (µm)
5	n/a	n/a	55	51
15	n/a	n/a	52	45
75	n/a	n/a	33	20

Near Field Launch condition at 850 and 1300nm for Modal Controller in 50/125 fiber

Intensity (% of max)	Measured value @850nm	Measured value @1300nm	Maximum value (µm)	Minimum value (µm)
5	42.5	41.5	44.0	40.8
15	39.5	38.5	41.6	36.0
75	21.5	19.5	26.4	16.0

Test conditions

The tests were performed using :-

Modal Explorer MPX-1 Serial number (850nm) XXXXX

Modal Explorer MPX-2 Serial number (1300nm) XXXXX

Light sources used :-

- a) LED with a centre wavelength of 850nm, a spectral width (FWHM) of approximately 50nm and an output power of approximately -20dbm.
- b) LED with a centre wavelength of 1300nm, a spectral width (FWHM) of approximately 50nm and an output power of approximately -20dbm.

Test performed byXXXXX..... Date ...XXXXX.....

Approved byXXXXX

Tony Hainsworth , QA Manager