TEST CERTIFICATE

Certificate number ……**XXXXX**…….

This is to Certify that the following “ModCon” Mode Controller

Part number ……**XXXXX**……

Serial number ……**XXXXX**……

has been tested in accordance with the requirements of TIA-455-203-A Light Source Encircled Flux Measurement Method and that this product has the following values of Encircled Flux

Encircled Flux requirement for 50µm core fiber cabling at 850nm

Radius (µm)	EF value	EF lower bound	EF upper bound
10	**0.3197**	0.2785	0.3915
15	**0.6372**	0.5980	0.7119
20	**0.9111**	0.9105	0.9295
22	**0.9722**	0.9690	0.9815

Encircled Flux requirement for 62.5µm core fiber cabling at 850nm

Radius (µm)	EF value	EF lower bound	EF upper bound
10	**n/a**	0.1683	0.2535
15	**n/a**	0.3695	0.5085
20	**n/a**	0.6337	0.7509
26	**n/a**	0.9245	0.9455
28	**n/a**	0.9710	0.9856

Note – EF Upper and Lower bounds are defined in IEC 61280-4-1 – Installed cable plant – Multimode attenuation measurement and are shown for information only.

Test conditions

The test was performed using MPX-1 Serial number ……**XXXXX**……. Light source used was an LED with a centre wavelength of 850nm, a spectral width of approximately 50nm and an output power of approximately -20dbm.

Test performed by ……**XXXXX**…….. Date …**XXXXX**….

Approved by ……**XXXXX**……

Tony Hainsworth , QA Manager

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