

Transmitter CATV, AGC, 1550 nm, SNMP, 2xPSU



Product Description

FTE01xxA (1RU) series is a low noise, high performance, 1550nm externally modulated optic transmitter technology with AGC, has low chirp DFB laser, low dispersion distortion, and great extinction rate, with excellent characteristic within 47~862MHz. External Modulator doesn't generate CSO distortion after reasonable bias. It can be connected by amplifiers when applied in large area coverage of over-long trunk and local networks.

Redundancy PSU "hot swappable" modules, (230V/-48Vdc) SNMP as standard

Technical specification

| Performance | | Index | | | Supplement |
|------------------------------|-----------------|-------|------------|------|------------------|
| | | Min. | Typ. | Max. | |
| CATV-operation wave length | (nm) | 1540 | 1550 | 1560 | CATV |
| CATV-input power (Pi) | (dB μ V) | 78 | | 88 | AGC |
| Total output power | (dBm) | 3 | | 9 | |
| Return loss | (dB) | | ≥ 55 | | |
| Work bandwidth | (MHz) | | 47-862 | | 47~1000 optional |
| Noise figure | (dB) | 4,5 | | 5,5 | |
| Return loss | (dB) | | >16 | | |
| Network management interface | | | RJ45 | | SNMP |
| Serial interface | | | RS232 | | |
| Power supply | (V) | 90 | | 265 | 220VAC |
| Power supply | (V) | 30 | | 72 | -48 VDC |
| Power consume | (W) | | | 50 | |
| Operation temp. | ($^{\circ}$ C) | -5 | | 65 | |
| Relative humidity | (%) | 5 | | 95 | |
| Size (W) x (D) x (H) | 1U/HE | | 483x368x44 | | |

| Item Number | Type | HE | Output | Output Pwr | Connector |
|----------------|----------|----|--------|------------|-----------|
| 801501/-02/-03 | FTE0103A | 1 | 1 | 3 dBm | SC/APC |
| 801504/-05/-06 | FTE0103A | 1 | 1 | 3 dBm | LC/APC |
| 801511/-12/-13 | FTE0105A | 1 | 1 | 5 dBm | SC/APC |
| 801514/-15/-16 | FTE0105A | 1 | 1 | 5 dBm | LC/APC |
| 801521/-22/-23 | FTE0106A | 1 | 1 | 6 dBm | SC/APC |
| 801524/-25/-26 | FTE0106A | 1 | 1 | 6 dBm | LC/APC |
| 801531/-32-33 | FTE0109A | 1 | 1 | 9 dBm | SC/APC |
| 801534/-35/-36 | FTE0109A | 1 | 1 | 9 dBm | LC/APC |