

## Tree and Star Three Window Coupler Module

|                                    |                                                                                    |
|------------------------------------|------------------------------------------------------------------------------------|
| <b>Features</b>                    |  |
| Low excess loss & low IL & Low PDL |                                                                                    |
| High stability and reliability     |                                                                                    |
| <b>Application</b>                 |                                                                                    |
| Optical communication systems      |                                                                                    |
| FTTH                               |                                                                                    |
| CATV                               |                                                                                    |
| LAN Network                        |                                                                                    |

### Specification

| Parameter                  |         | N×4<br>N=1, 2                              | N×6<br>N=1,2 | N×8<br>N=1, 2 | N×12<br>N=1,2                                         | N×16<br>N=1, 2 | N×24<br>N=1, 2 | N×32<br>N=1, 2 |
|----------------------------|---------|--------------------------------------------|--------------|---------------|-------------------------------------------------------|----------------|----------------|----------------|
| Operating wavelength (nm)  |         | 1310/1490/1550,                            |              |               |                                                       |                |                |                |
| Operating bandwidth (nm)   |         | 1310 ±40,1490 ±10 and 1550 ±40             |              |               |                                                       |                |                |                |
| Insertion loss(dB)         | P grade | ≤7.2                                       | ≤9.6         | ≤10.8         | ≤13.2                                                 | ≤14.4          | ≤16.8          | ≤18.0          |
|                            | A grade | ≤7.6                                       | ≤10.2        | ≤11.4         | ≤14.0                                                 | ≤15.2          | ≤17.8          | ≤19.0          |
| Typical excess loss (dB)   |         | 0.3                                        | 0.4          | 0.45          | 0.55                                                  | 0.6            | 0.7            | 0.75           |
| PDL (dB)                   |         | ≤0.3                                       | ≤0.4         | ≤0.4          | ≤0.5                                                  | ≤0.5           | ≤0.6           | ≤0.6           |
| Operating temperature (°C) |         | -20 ~ +70                                  |              |               |                                                       |                |                |                |
| Pigtail length             |         | 1 meter, others on request                 |              |               |                                                       |                |                |                |
| Fiber type                 |         | 900μm, 2mm, 3mm loose tube                 |              |               |                                                       |                |                |                |
| Dimensions (L×W×H) (mm)    | ABS Box | 100×80×10                                  |              |               | 125×96×16                                             |                | 141×115×18     |                |
|                            | Rack    | 1U LGX (130×127×29)<br>2U LGX (130×127×58) |              |               | 19" 1U box (482.6×278×44)<br>19" 2U box(482.6×278×88) |                |                |                |

### Ordering Information

| CP | Type                   | Grade  | Port Type                                                    | Wavelength (nm) | Coupling Ratio   | Pigtail Type                                                       | Fiber Type | Length           | Connector                                                                                                      | Package                                                                      |
|----|------------------------|--------|--------------------------------------------------------------|-----------------|------------------|--------------------------------------------------------------------|------------|------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
|    | TT=Tree Window Coupler | P<br>A | 1x4<br>1x6<br>1x8<br>1x12<br>1x16<br>1x24<br>1x32<br>X:other | 1310/1490/1550  | EVEN<br>XX=Other | 900=900um loose tube<br>2000=2mm loose tube<br>3000=3mm loose tube | 1=SMF-28e  | 1= 1m<br>X:other | NE=None<br>FA=FC/APC<br>FC=FC/UPC<br>SA=SC/APC<br>SC=SC/UPC<br>LC=LC/UPC<br>LA=LC/APC<br>MU=MU/UPC<br>XX=Other | 100x80x10<br>125x96x16<br>141x115x18<br>LGX 1U<br>LGX 2U<br>19" 1U<br>19" 2U |