

# VECTOR BOOSTRAL 7920

## 1,2 GHZ SEGMENTIERBARER OPTISCHER NODE 2X4

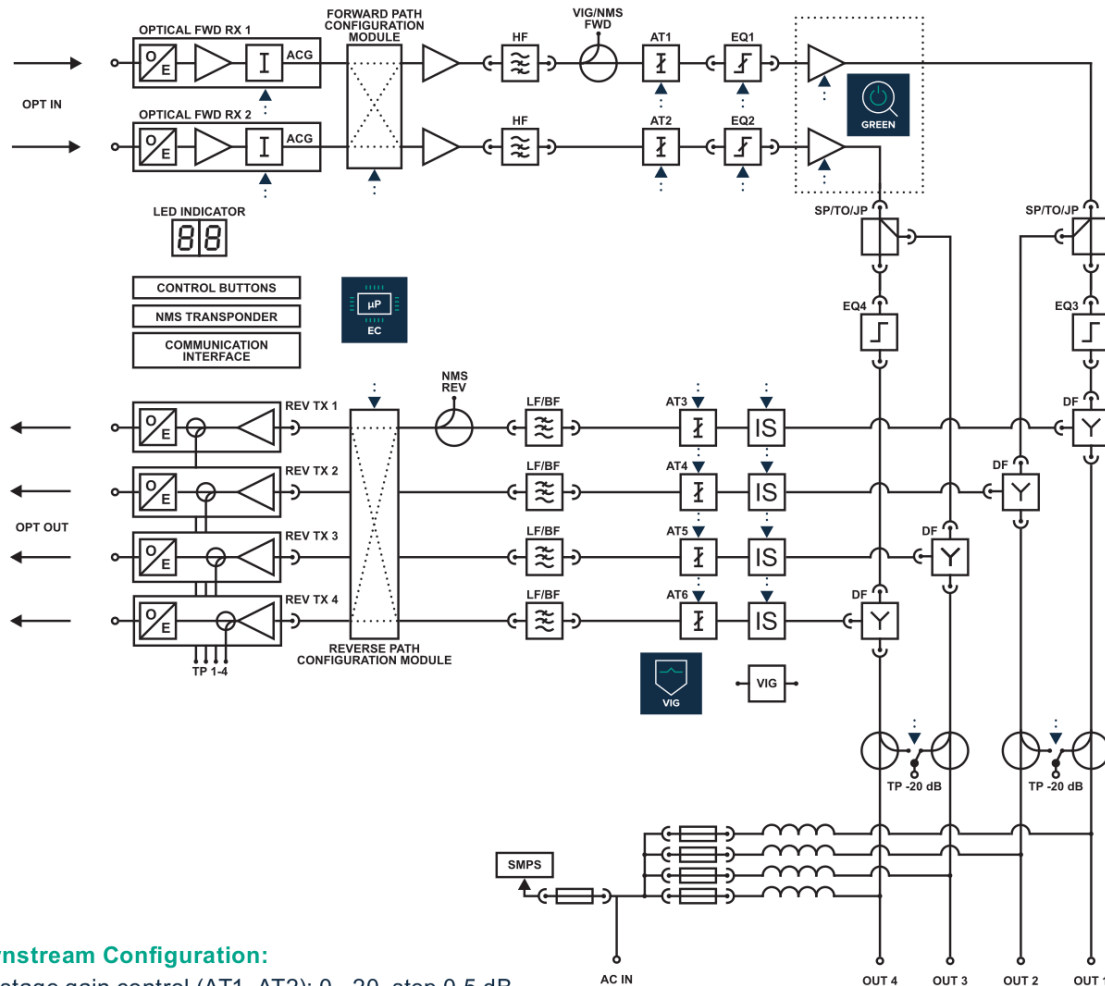
- 1,2 GHz Technologie
- 200 MHz Technologie
- GaN Technologie
- Elektronische Steuerung
- VMC (VECTOR Mobile Commander)
- Elektronische Einstellung
- NMS Transponder
- VIG (VECTOR Ingress Guard)
- Integration optischer Passiva
- GREEN Mode



## SPEZIFIKATIONEN

| FORWARD PARAMETERS                |                                          |
|-----------------------------------|------------------------------------------|
| Wavelength                        | 1260 - 1620 nm                           |
| Bandwidth                         | 85...258 - 1218 MHz                      |
| Optical input power range         | - 9.9 - 2 dBm                            |
| Optical AGC range                 | - 7 - 0 dBm                              |
| Flatness                          | ± 0.5 dB                                 |
| Equivalent Input Noise Current    | 5 pA / √Hz                               |
| Output level:                     |                                          |
| CTB ≤ - 60 dBc                    | 2 x 117 dBμV                             |
| CSO ≤ - 60 dBc                    | 2 x 119 dBμV                             |
| Umax                              | 2 x 112 dBμV                             |
| Gain limited output level         | 2 x 119 dBμV                             |
| Number of outputs                 | 2 active, up to 4 with passive splitting |
| RETURN PARAMETERS                 |                                          |
| Bandwidth                         | 5 - 65 ... 204 MHz                       |
| Flatness                          | ± 0.5 dB                                 |
| Optical output power              | 3 or 6 dBm ± 0.5 dB                      |
| Min RF input level to get 10% OMI | 70 dBμV                                  |
| NPR / Dynamic range               | 40 dB / 5 dB                             |
| OTHERS                            |                                          |
| Return loss                       | > 18 dB                                  |
| AC voltage range: remote powering | 30 - 65 V AC                             |
| Max. current for RF / AC IN ports | 10 / 15 A                                |
| Power consumption                 | < 54 W                                   |
| Operation temperature range       | - 40 - 60 °C                             |
| Optical connectors                | SC / APC                                 |
| RF connectors                     | 4 x PG11                                 |
| Protection class                  | IP 67                                    |
| Dimensions (W x L x H)            | 255 x 234 x 128 mm                       |
| Weight                            | < 4.0 kg                                 |

## BLOCKDIAGRAMM



### Downstream Configuration:

Interstage gain control (AT1, AT2): 0 - 20, step 0.5 dB

Interstage slope control (EQ1, EQ2): 0 - 20, step 0.5 dB

Output (Bridge ports) slope control (EQ3, EQ4): 0 - 20, step 1.0 dB

### Upstream Configuration:

Input gain control (AT3, AT4, AT5, AT6): 0 - 20, step 0.5 dB

Ingress switches: 0, -6,  $-\infty$  dB

## BESTELLINFORMATION

| VERFÜGBARE VERSIONEN |                                      |
|----------------------|--------------------------------------|
| BOOSTRAL 7920 489Y   | Fernspeisung; max. config: 2Rx x 4Tx |