

## WIRELESS BACKHAUL TRANSCEIVER

# BUC/LNB

## Q-band QBUC/QLNB

### TQ3800/RQ3800



## TYPICAL SPECIFICATIONS

### QBUC

Input frequency	S-band
Output frequency	37.0 - 40.0 GHz
LO frequency	8.5 - 9.5GHz
Frequency sense	No inversion
Output power (P1dB)	+20dBm (typical)
Output Third-order Intercept	28dB min
Gain	28dB (typical)
Gain flatness	±1dB in any 200MHz
Spurious (In/Out-band)	-50dBc max @+3dBm
In/Out return loss	10dB min
Input interface	SMA-female
Output interface	WR-28
Power requirement	+6.5 VDC, 32W max
Dimension	166(L) x 80(W) x 15(H) mm
Weight	400g
Operating temp	-20 to 50 °C

### QLNB

Input frequency	37.0 - 40.0 GHz
Output frequency	S-band
LO frequency	8.5 - 9.5GHz
Frequency sense	No inversion
Output power (P1dB)	+5dBm (typical)
Output Third-order Intercept	15dB min
Gain	24dB (typical)
Gain flatness	±1dB in any 200MHz
Spurious (In/Out-band)	-50dBc max @+3dBm
In/Out return loss	10dB min
Input interface	WR-28
Output interface	SMA-female
Power requirement	+5 VDC, 15W max
Dimension	138(L) x 80(W) x 15(H) mm
Weight	350g
Operating temp	-20 to 50 °C

## HOW TO ORDER Q-BAND QBUC/QLNB

### TQ3820S

Input connector .....	S: SMA 50Ω
Output power.....	20(QBUC): 20dBm 00(QLNB)
Frequency .....	37-40 GHz
Channel .....	Q: Quad-channel
Tx/Rx .....	T: Tx(QBUC), R: Rx(QLNB)