

Up-converter 2350MHz

UC2324B gives possibility to convert IF to 2300-2400MHz frequency range.

Features:

- High gain
- Compact case
- Flat characteristics
- High output level
- Low phase noise
- PLL-based
- Three BPF on output

Applications:

- Wireless links
- Cable networks



Technical specifications:

Parameter	Specification	Conditions
Input frequency range	462-562MHz	Temperature: +23° C Load: 50Ω
Output frequency range	2300-2400MHz	
LO frequency	1838MHz	
Gain	typ. 23.5dB	
Flatness	typ. ±1.2dB	
P _{1dB} [out]	> 20dBm @ 1 carrier	
Image rejection	> 40dB	
Phase noise	typ. 115dBc/Hz @ 100kHz	
Supply voltage	9-12V	
Current voltage	typ. 300mA	
	@ P _{1dB} up to 350mA	
Input/Output impedance	50Ω	
RF-connector	SMA-female	
Dimensions	80 x 76 x 17 mm	

Absolute maximum ratings:

Parameter	Limit
Input RF power	0dBm
Device voltage*	+15V
Power dissipation*	3W

* In case of need use heat sinking radiator.