

8-Channels Core IC

Part number

- ◆ RS7308XXX

Overview

The RS7308XXX IC comprises of 8 cores of 8-bit active phase shifters and 7 bits VGAs that operates in the L, S, C, X and Ku frequency bands. The IC is SPI configurable and offers the required flexibility for phase and amplitude calibration.

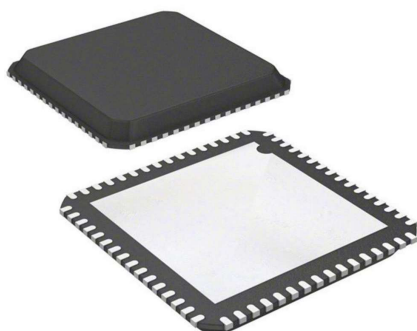
Key Features

- ◆ Multiple frequency ranges
- ◆ 7-bit amplitude resolution
- ◆ 8-bit phase resolution
- ◆ Phase and amplitude calibrations
- ◆ Integrated lookup tables
- ◆ SPI configuration

Applications

- ◆ Phase array
- ◆ Antenna beam forming
- ◆ Interference cancellation

Package



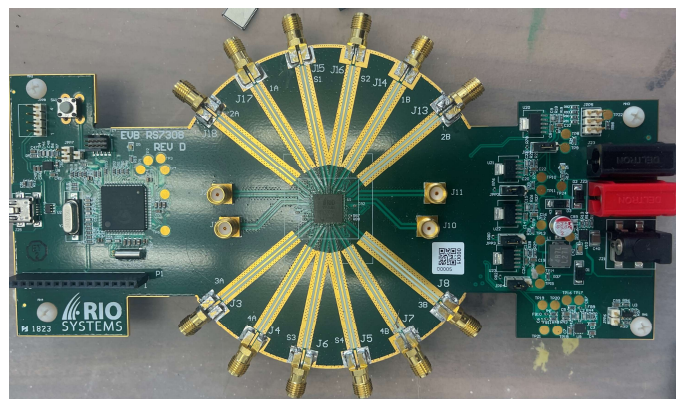
Contact

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Main Specifications

Part number	Frequency band (GHz)	Type	Channels
RS7308L	0.8 – 3.5	TX/RX	4TX/4RX
RS7308C	3.2 – 6.0	TX/RX	4TX/4RX
RS7308X	8 – 11	TX/RX	4TX/4RX
RS7308KU	10.7 – 15	TX/RX	4TX/4RX

Evaluation Board



User Interface

