

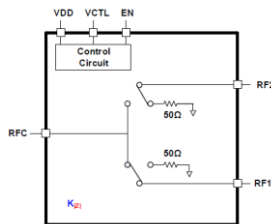


ISL71934M

Radiation Tolerant SP2T RF Switch, 50MHz to 6GHz

The ISL71934M is a high reliability, low insertion loss, 50Ω SP2T absorptive RF switch designed for a multitude of wireless and other RF applications. This device covers a broad frequency range from 50MHz to 6000MHz. In addition to providing low insertion loss, the ISL71934M delivers high linearity and high isolation performance while providing a 50Ω termination to the unused RF input port.

The ISL71934M uses a single positive supply voltage of 2.7V to 5.25V supporting three states using either 3.3V or 1.8V control logic.



NanoXplore RadHard FPGA News

- NXmap3 news available from <https://download.nanoxplore.com>
- NG-Medium QML-V CQFP-352 qualification with Delta ESCC evaluation is completed. The DLA approval will come in coming weeks as well as the relevant SMD 5962F20217, The CLGA-625 qualification is still running as expected.
- NG-Large CLGA-1752 ESCC qualification is running,
- NG-Ultra v1 device evaluation almost completed. NG-Ultra final version will become available soon.
- NG-Ultra300 design development in final stages.



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ISL73141SEH



Radiation Tolerant 14-Bit 1MSPS SAR ADC

The ISL73141SEH is a radiation tolerant high precision 14-bit, 1Msps SAR Analog-to-Digital Converter (ADC) that features SNR of 82.1dBFS and dissipates only 60mW when operating from a 5V supply. With a 3.3V supply, the ISL73141SEH operates at 750ksps with a power consumption of 28mW.

The product features 1Msps throughput with no data latency and features excellent linearity and dynamic accuracy. The ISL73141SEH provides a high-speed SPI-compatible serial interface that supports logic ranging from 2.2V to 3.6V using a separate digital I/O supply pin.

The ISL73141SEH provides a separate power-down pin that reduces power dissipation to <50μW. The analog input signal range is determined by an external reference with a supported input range of 1.5V to AVCC or 4.2V, whichever is lower. The ISL73141SEH operates across the military temperature range from -55°C to +125°C and is available in a 14 Ld hermetically sealed Ceramic Dual Flat-Pack (CDFP) package.

SEMICORA



Rad Hard Transistors available of the shelf including Low Dose Data

Dose rate 0.036krad/h up to 100kRad (acc. to ESCC22900) Data points at 10, 30, 50, 100kRad & annealing Parameter acc. to ESCC 5201/002 with VCEO at 80% during exposure for the biased parts
5 parts with bias, 5 parts without bias, 1 reference part

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Reflex Photonics embedded transceivers are chip-sized components based on 850 nm VCSEL and offering bandwidth up to 300 Gbps for short reach applications (<300 m).



Radiation hardness

- Heavy-ion tested
- Gamma rays tested
- High and low energy protons tested
- ECSS process and lot acceptance tests