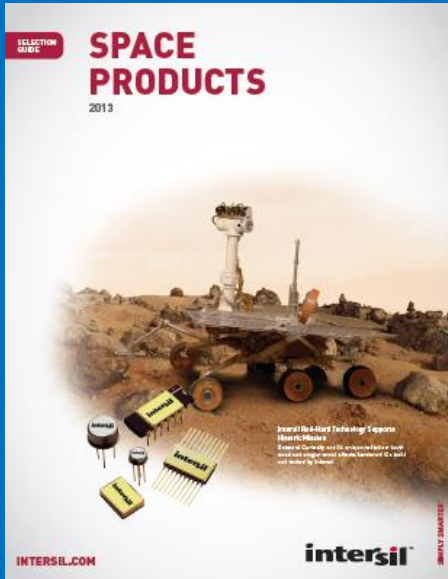


Intersil Shortform Download:

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Facts about Intersil Space Parts

Intersil offers a broad range of radiation hardened and Single-Event Effects (SEE) hardened IC products for RH and space applications.

- Over 300 space-qualified radiation hardened products available.
- Consistent design and manufacturing in Intersil's MILPRF-38535-qualified facility located in Palm Bay, Florida.
- Intersil is one of only 11 RHA Defense Logistics Agency (Land and Maritime) QML suppliers.
- All products are fully Class V (space level) compliant.
- All products are on individual DLA SMD drawings.

Protec GmbH

Rosenheimer Landstraße 117
83229 Ottobrunn- Riemerling

eMail: sales@protec-semi.de
Web: <http://www.protec-semi.de>

New Released RH Space Components from Intersil



ISL71090SEH12 (EAR99)

The ISL71090SEH12 is an ultra-low noise, high DC accuracy precision voltage reference with a wide input voltage range from 4V to 30V. The ISL71090SEH12 uses the Intersil Advanced Bipolar technology to achieve sub 2µVP-P noise at 0.1Hz with accuracy over temperature and radiation of 0.15%.

The ISL71090SEH12 offers a 1.25V output voltage with 10ppm/°C temperature coefficient and also provides excellent line and load regulation. The device is offered in an 8 Ld Flatpack package.

ISL71090SEH25 (EAR99)

The ISL71090SEH25 is an ultra-low noise, high DC accuracy precision voltage reference with a wide input voltage range from 4V to 30V. The ISL71090SEH25 uses the Intersil Advanced Bipolar technology to achieve sub 2µVP-P 0.1Hz noise with accuracy over temperature and radiation of 0.15%.

The ISL71090SEH25 offers a 2.5V output voltage with 10ppm/°C temperature coefficient and also provides excellent line and load regulation. The device is offered in an 8 Ld Flatpack package.

-55 to 125C Ta	Intersil (ISL71090)	Intersil (IS-1009)	LT (RH1009)	ADI (REF43S)	TI (TL1431-SP)	National (LM4050)
General Voltage Options	1.25, 2.048, 2.5, 3.3, 4.096, 5, 7.5, 10V	2.5V	1.2, 2.5, 5, 7, 10V	2.5V	2.5V	1.2, 2.5, 5V
Voltage Accuracy (-55C to +125C)	+/-0.15%	-0.8% to +0.6%	-1.6% to +1.4%	+/-0.2%	+/-1.6%	+/-0.7%
Voltage Accuracy (Over 100k Rad)	+/-0.15%	-0.4% to +0.6%	+/-0.2%	-0.18% to +0.17%	-0.28% to +0.24%	+/-0.4%
Tempco	10ppm/C		35ppm/C	15ppm/C	111ppm/C	50ppm/C
Output noise	5uVp-p		20uVp-p	10uV _{RMS}		41uV _{RMS}
Pkg	8ld Flatpack, die	3ld Can, 3ld CLCC	3ld TO-46 Can, 10ld Flatpack, die	8ld TO, 8ld CerDIP, 10ld Flatpack	8ld CerDIP	10ld Ceramic SOIC, TO-46

Both the ISL71090SEH25 and the ISL71090SEH12 are ideal for high-end instrumentation, data acquisition and applications requiring high DC precision where low noise performance is critical. Both parts are also **ITAR Free (EAR99)** Both Part are Qualified and available as ELDRs Versions. SPICE Models available.