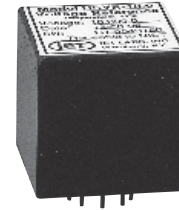


HSVR Series

The HSVR Series is a highly stable compact voltage reference with a very low temperature coefficient. It is suitable for printed

circuit board mounting and whenever precision voltages are required for test, calibration, digital and analog conversions, etc...

- Replacement for Eppley and other standard cells
- High stability - up to 25 ppm/year (better available)
- Short circuit output protection
- Trimmable outputs
- Small size - PC board mounting
- Excellent temperature coefficient - 1 ppm/°C



One inch cube High Stability Model HSVR Voltage Reference

SPECIFICATIONS

Model Description:

Model	Input Voltage ± 1 V	Output Voltage*	Max. Output Current
HSVR-1.01	12 V	1.01 V	1 mA
HSVR-6.3	22 V	6.3 V	1 mA
HSVR-12.6	24 V	12.6 V	1 mA
HSVR-18.0	30 V	18.000 V	1 mA
HSVR-18.9	30 V	18.9 V	1 mA

* Other values available may be specified as a cell replacement.

Output Voltage Stability:

1 ppm per 24 hours;
10 ppm per month;
25 ppm per year.

Input Voltage: Operating range of ± 3 V.

Input Voltage Regulation: Within 1 ppm of output voltage for a 10% change of input voltage.

Calibration Accuracy: <2 ppm

Settling Time:

To within 1 ppm of final value after 10 minutes;
To within 10 ppm of final value after turn on.

Temperature Coefficient:

<1 ppm/°C typical for temperature range of 0° to 50°C.

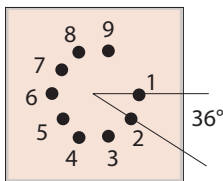
Input Power: 0.5 W, nominal.

Operating Temperature: 0°C to 50°C.

Dimensions: 2.54 cm W x 2.54 cm H x 2.54 cm D (1" x 1" x 1").

PIN ASSIGNMENTS:

Bottom
View



Diameter of pin circle: 0.468"
Pin diameter: 0.04"
Location of pin "1": 3:00
Pin Length: 0.25" \pm 0.05"

Pin No.	Function
1	Vout low
2	NC - no user connection
3	Vout high
4	NC - no user connection
5	NC - no user connection
6	NC - no user connection
7	Power supply low
8	NC - no user connection
9	Power supply high

ORDERING INFORMATION

HSVR-1.01 1.01 V High Stability Voltage Reference
HSVR-6.3 6.3 V High Stability Voltage Reference

HSVR-12.6 12.6 V High Stability Voltage Reference
HSVR-18.0 18.0 V High Stability Voltage Reference
HSVR-18.9 18.9 V High Stability Voltage Reference

The HSVR Series may be supplied in custom voltages or multiple output combinations.



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