Issue Number | 001
July 2012

New Product Announcement

ZXRE160

ZXRE160 0.6V Shunt Regulator

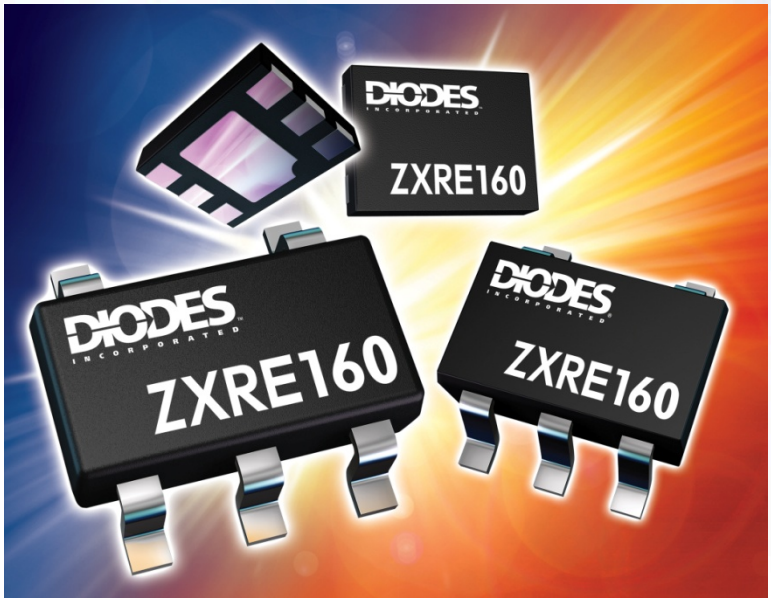
The ZXRE160 is an enhanced version of the ZXRE060 suitable for comparator mode applications.

This device is a 5-terminal adjustable shunt regulator offering excellent temperature stability and output handling capability.

It is available in two grades with initial tolerances of 0.5% and 1% for the A and standard grades respectively.

Available in low profile 5 pin SC70/SOT353 and thin TSOT23 packaging, and featured in the very small DFN1520 package.

This 1.5mm by 2.0mm package offer optimum space saving in power supply applications of space critical equipment.



The Diodes Advantage

- Low reference voltage (0.6V)
  Supports the low voltage requirements of microprocessor core voltages.
- 0.5% and 1% tolerance as standard
  Provides tight tolerance of power supply
- Optimized for both comparator and traditional shut regulation applications.
- -40 to 125ºC temperature range
  Supports large ambient temperature range of modern power supplies

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Space saving packaging for ZXRE060 0.6V shunt regulator

Part Number	Reverence voltage (V)	Tolerance (%)	Input voltage range (V)	Power Supply Rejection Ratio (dB)	Output voltage range (V)	Ambient Temperature Range (°C)	Packages
ZXRE160	0.6	0.5 & 1	2 to 18	45	0.2 to 18	-40 to 125	TSOT23-5 SC70-5 DFN1520

To find out more information:

Op-amp overview page	http://www.diodes.com/products/catalog/list.php?parent-id=82
Datasheet	http://www.diodes.com/datasheets/ZXRE160.pdf

Ordering information

Tol.	Order Code	Part	Ident Code	Reel Size	Tape Width	Quantity per Reel
0.5%	ZXRE160AET5TA	TSOT23-5	S6A	7”, 180mm	8mm	3000
	ZXRE160AH5TA	SC70-5/SOT353	S6A	7”, 180mm	8mm	3000
	ZXRE160AFT4-7	DFN1520H4-6	S6A	7”, 180mm	8mm	3000
1%	ZXRE160ET5TA	TSOT23-5	S06	7”, 180mm	8mm	3000
	ZXRE160H5TA	SC70-5/SOT353	S06	7”, 180mm	8mm	3000
	ZXRE160FT4-7	DFN1520H4-6	S06	7”, 180mm	8mm	3000

All variants are in packages are “Green” Molding Compound (No Br, Sb) with Lead Free Finish/RoHS Compliant (Note 1)
Notes:1. EU Directive 2002/95/EC (RoHS). All applicable RoHS exemptions applied, see EU Directive 2002/95/EC Annex Notes