Central™
Semiconductor Corp.
145 Adams Avenue, Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824
www.centralsemi.com
mailto:processchange@centralsemi.com
http://www.centralsemi.com/processchange

PCN #137

Notification Date:
30 April 2012

Product / Process Change Notice

Parts Affected:

Chip process CP716V, PNP high voltage transistors, wafers, and die in chip form.

Extent of Change:

An overall reduction of the die area.

The CP716V chip process currently measures 19.7 x 19.7 mils and is being replaced by the CP736V chip process which measures 17.3 x 17.3 mils.

Reason for Change:

To accommodate assemblies of extremely small surface mount, epoxy molded packages.

Effect of Change:

This change does not affect the electrical characteristics of any device.

Qualification:

Standard evaluation and qualifications completed resulting in no performance differences compared to current product.

Effective Date of Change:

Existing inventory will be shipped until depleted.

Sample Availability:

Please contact Salesperson or Manufacturer's Representative.

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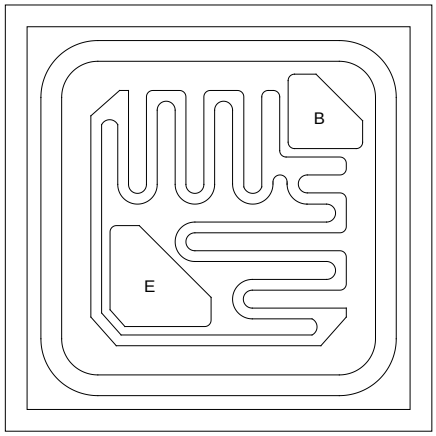
Figures:

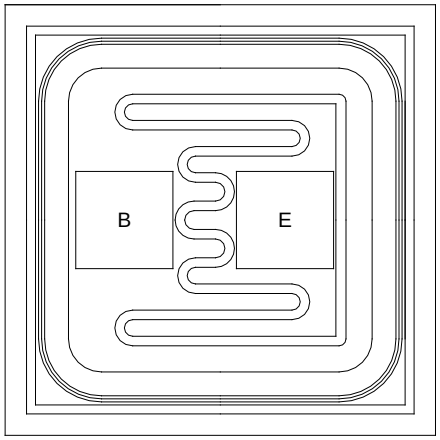
Figure 1: CP716V Chip Geometry



BACKSIDE COLLECTOR R0

Die Size:	20 x 20 mils
Die Thickness:	7.1 mils
Bond Pad Area (Emitter):	4.7 x 4.7 mils
Bond Pad Area (Base):	4 x 4 mils
Topside Metal:	Al (30,000Å)
Backside Metal:	Au (18,000Å)

Figure 2:CP736V Chip Geometry



BACKSIDE COLLECTOR R0

Die Size:	17.3 x 17.3 mils
Die Thickness:	7.1 mils
Bond Pad Area (Emitter):	3.9 x 3.9 mils
Bond Pad Area (Base):	3.9 x 3.9 mils
Topside Metal:	Al-Si (30,000Å)
Backside Metal:	Au (12,000Å)

Part Numbers Affected:

2N5401
2N5400
CMLT5554
CMPT5401
CMPT5401E
CMUT5401
CMUT5401E
CXT5401
CXT5401E
CZT5401
CZT5401E
CEN1154
PN4888
PN4889
CP716V-CEN1254-CT
CP716V-2N3635-CM
CP716V-2N3635-WN
CP716V-2N3637-CT
CP716V-2N5401-CTAN
CP716V-2N5401-WN