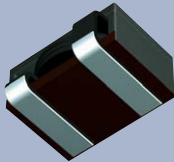




Sample Kit 2008



# High-Power Inductors

HPI13 Series B82559A\*A013

[www.epcos.com](http://www.epcos.com)

B82559X001

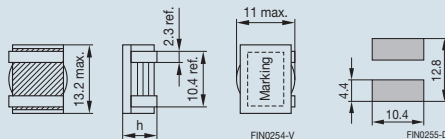
# High-Power Inductors HPI13

## SMD

<b>L (inductance) ±10%</b>	<b>μH</b>	<b>0.5</b>	<b>0.95</b>	<b>1.1</b>	<b>1.4</b>
$I_{sat, typ}$	A	30	25	20	22
$DCR_{max} \pm 15\%$	mΩ	0.78	1.12	1.72	1.5
Height $h_{max}$	mm	4.95	5.95	4.95	5.95
Ordering code	B82559	A0501A013	A0951A013	A0112A013	A0142A013
<b>L (inductance) ±10%</b>	<b>μH</b>	<b>2.15</b>	<b>2.4</b>	<b>3.0</b>	<b>3.9</b>
$I_{sat, typ}$	A	15	16.5	13	12
$DCR_{max} \pm 15\%$	mΩ	3.2	2.76	4.0	4.8
Height $h_{max}$	mm	4.95	5.95	4.95	5.95
Ordering code	B82559	A0222A013	A0242A013	A0302A013	A0392A013

- All values measured at 25 °C ambient temperature
- $I_{sat, typ}$  is current that will result in 20% reduction of nominal inductance
- Temperature response needs to be verified in specific applications; test results on request
- Operating temperature: -40 to +130 °C
- Flat wire winding: extremely low-resistance coil
- Self-led construction features under body termination for smallest possible footprint
- Special values and sizes on request
- Blister tape packaging:

Height of component	Reel
$h = 4.65 \text{ mm}$	750 pcs.
$h = 5.65 \text{ mm}$	550 pcs.



Mechanical dimensions and suggested pad layout (reference only)

**Further product information: [www.epcos.com](http://www.epcos.com)**

The *Important Notes* and the product-specific *Warnings and Cautions* must be observed ([www.epcos.com/importantnotes](http://www.epcos.com/importantnotes)).



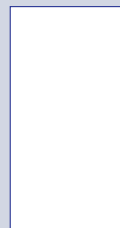
0.5  $\mu$ H



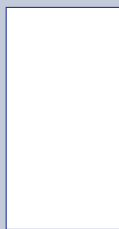
0.95  $\mu$ H



1.1  $\mu$ H



1.4  $\mu$ H



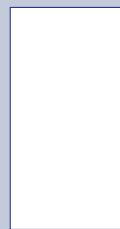
2.15  $\mu$ H



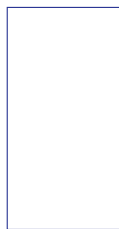
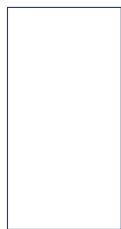
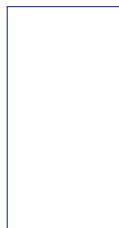
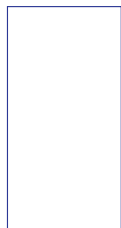
2.4  $\mu$ H



3.0  $\mu$ H



3.9  $\mu$ H



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