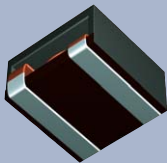




Sample Kit 2008



# High-Current Chokes

ERU25 Series B82559A\*A025

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

B82559X002

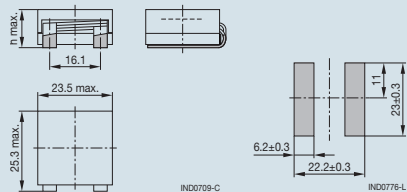
# High-Current Chokes ERU25

## SMD

<b>L (inductance) ±10%</b>	<b>µH</b>	<b>0.44</b>	<b>2.9</b>	<b>1.25</b>	<b>7.9</b>
$I_{\text{sat, typ}}$	A	71	33	50	24
$\text{DCR}_{\text{max}} \pm 15\%$	mΩ	0.20	0.81	0.41	1.8
Height $h_{\text{max}}$	mm	8.95	10.75	10.75	12.9
Ordering code	B82559	A1042A025	A3292A025	A2122A025	A6792A025
<b>L (inductance) ±10%</b>	<b>µH</b>	<b>4.35</b>	<b>2.3</b>	<b>6.1</b>	<b>10</b>
$I_{\text{sat, typ}}$	A	30	41	28	24
$\text{DCR}_{\text{max}} \pm 15\%$	mΩ	1.25	0.95	1.55	2.25
Height $h_{\text{max}}$	mm	12.9	12.0	12.0	12.9
Ordering code	B82559	A4432A025	A3232A025	A5612A025	A7103A025

- All values measured at 25 °C ambient temperature
- $I_{\text{sat, typ}}$  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
- Core: high saturation/low-loss ferrite
- Special values and sizes on request
- Foam tray packaging:

Height of component	Tray	Box
$h = 8.95 \text{ mm}$	40 pcs.	320 pcs.
$h = 10.75 \text{ mm}$	40 pcs.	280 pcs.
$h = 12.00 \text{ mm}$	40 pcs.	240 pcs.
$h = 12.90 \text{ mm}$	40 pcs.	240 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)).



0.44  $\mu\text{H}$



2.9  $\mu\text{H}$



1.25  $\mu\text{H}$



7.9  $\mu\text{H}$



0.44  $\mu\text{H}$



2.9  $\mu\text{H}$



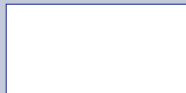
1.25  $\mu\text{H}$



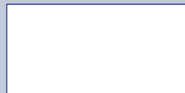
7.9  $\mu\text{H}$



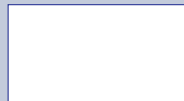
4.35  $\mu\text{H}$



2.3  $\mu\text{H}$



6.1  $\mu\text{H}$



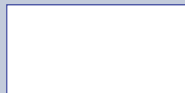
10  $\mu\text{H}$



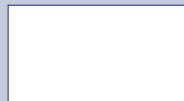
4.35  $\mu\text{H}$



2.3  $\mu\text{H}$



6.1  $\mu\text{H}$



10  $\mu\text{H}$