

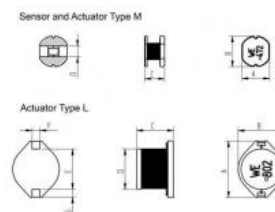
WE-ASI SMD Wire Wound Inductor

Characteristics:

- Specially designed for sensors and actuators
- Highest possible current in the smallest case size
- High self resonant frequency
- Operating temperature: -40 °C to +125 °C
- Recommended solder profile: Reflow

Applications:

- ASI-applications
- Filter applications in kHz frequency range



Dimensions

Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Download
<u>Sensor</u>	7.0	8.0	5.0	3.0				PDF ZIP 3D
<u>Type M (Actuator)</u>	9.0	10.2	6.5	3.5				PDF ZIP 3D
<u>Type L (Actuator)</u>	18.54	15.24	12.0	13.3	13.2	2.54	2.54	PDF ZIP 3D

Electrical properties

Sensor

	Order Code	L (mH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	R _{DC typ} (Ω)	C (pF)	f _{res} (kHz)
PDF	744775330	3.0	0.24	0.12	10.0	8.2	10	900
PDF	744775347	4.7	0.20	0.10	13.8	11.5	11	700
PDF	744775360	6.0	0.18	0.09	18.0	16.7	12	600
PDF	744775380	8.0	0.14	0.09	25.0	23.3	11	700
PDF	744775318	18	0.08	0.05	72.0	57.7	9	400

Electrical properties





Type M (Actuator)

	Order Code	L (mH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	R _{DC typ} (Ω)	C (pF)	f _{res} (kHz)
PDF	744776333	3.0	0.35	0.40	7.0	5.6	10	900
PDF	744776347	4.7	0.25	0.30	12.0	11.5	13	650
PDF	744776360	6.0	0.23	0.27	14.0	16.7	13	570
PDF	744776381	8.0	0.20	0.20	16.0	15.4	13	500

Electrical properties

Type L (Actuator)

	Order Code	L (mH)	I _R (A)	I _{sat} (A)	R _{DC} (Ω)	R _{DC typ} (Ω)	C (pF)	f _{res} (kHz)
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 PDF	74458303	3.0	0.5	1.0	3.5	2.9	21	630
 PDF	74458304	4.7	0.4	0.9	4.8	4.0	22	500
 PDF	74458306	6.0	0.4	0.7	6.0	5.2	20	470
 PDF	74458308	8.0	0.35	0.6	8.0	6.8	19	410

AS-Interface is a determined component in the modern automation technology and has especially enforced in rough industry environment. To reach a high balance against the earth and to separate data and energy sequence, special inductors were developed. The huge advantage for this active solution is the almost negligible voltage drop of the chokes. Now the optimal voltage supply of the actuators is ensured.

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