



SHIELDED SMD POWER INDUCTOR FASB0906, FASB0908 SERIES

FEATURES:

Magnetic Shielded Surface Mount Inductor with High Current Rating.
Low Resistance to Keep Power Loss Minimum.

OPTIONS:

tape & Reel is Standard (Qty: SB0906: 6000pcs, SB0908: 4000pcs) Bulk packaging Available for Smaller Qty quantities
tolerance: M = 20%, Y = 15% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

Excellent for Power Line DC-DC Converter Applications used in Hard disk, Notebook Computers and Other Electronic Equipment.

ELECTRICAL CHARACTERISTICS

Part Number	Inductance [μH]	Q ref.	Test F req. [Hz]		SRF [MHz] min.	DCR [Ω] max.	IDC [A] max.	Part Number	Inductance [μH]	Q ref.	Test F req. [Hz]		SRF [MHz] min.	DCR [Ω] max.	IDC [A] max.
			L	Q							L	Q			
FASB0906								FASB0906							
2R7M	2.70±20%	23	1K	7.96 M	85.00	0.032	3.200	560M	56.00±20%	35	1K	2.520 M	12.00	0.300	0.930
3R5M	3.50±20%	23	1K	7.96 M	80.00	0.036	2.900	680M	68.00±20%	40	1K	2.520 M	9.00	0.350	0.850
4R7M	4.70±20%	23	1K	7.96 M	70.00	0.040	2.700	820M	82.00±20%	40	1K	2.520 M	8.00	0.370	0.780
5R6M	5.60±20%	23	1K	7.96 M	57.00	0.046	2.500	101Y	100.0±15%	40	1K	0.796 M	7.50	0.420	0.700
6R8M	6.80±20%	23	1K	7.96 M	38.00	0.050	2.300	120Y	120.0±15%	40	1K	0.796 M	7.00	0.480	0.650
8R2M	8.20±20%	23	1K	7.96 M	30.00	0.055	2.100	150Y	150.0±15%	40	1K	0.796 M	6.00	0.550	0.600
100M	10.00±20%	35	1K	2.520 M	29.00	0.080	1.800	180Y	180.0±15%	40	1K	0.796 M	5.50	0.820	0.520
120M	12.00±20%	35	1K	2.520 M	26.00	0.085	1.700	221Y	220.0±15%	40	1K	0.796 M	5.00	1.000	0.480
150M	15.00±20%	35	1K	2.520 M	29.00	0.100	1.600	270Y	270.0±15%	40	1K	0.796 M	5.00	1.100	0.440
180M	18.00±20%	35	1K	2.520 M	22.00	0.110	1.500	331Y	330.0±15%	40	1K	0.796 M	4.50	1.300	0.400
220M	22.00±20%	35	1K	2.520 M	19.00	0.130	1.400	391Y	390.0±15%	40	1K	0.796 M	4.20	1.400	0.380
270M	27.00±20%	35	1K	2.520 M	17.00	0.140	1.300	471Y	470.0±15%	40	1K	0.796 M	4.00	1.600	0.350
330M	33.00±20%	35	1K	2.520 M	15.00	0.150	1.200	561Y	560.0±15%	60	1K	0.796 M	3.20	2.700	0.280
390M	39.00±20%	35	1K	2.520 M	14.00	0.160	1.100	681Y	680.0±15%	60	1K	0.796 M	2.70	3.200	0.250
470M	47.00±20%	35	1K	2.520 M	12.00	0.180	1.000	821Y	820.0±15%	85	1K	0.796 M	2.60	3.500	0.230

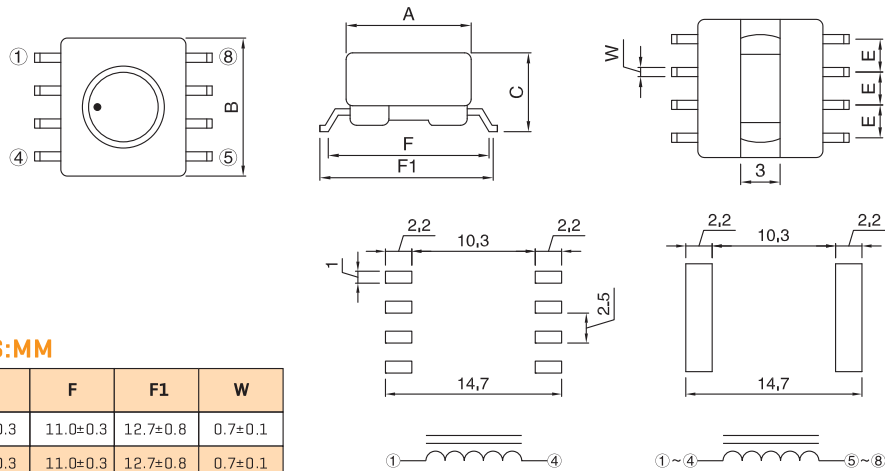
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Materials:

1. Core: Ferrite DR Core & RI Core
2. Wire: Enamelled Copper Wire
3. Base: LCP E4008
4. Terminal: Tinned Copper Plate
5. Adhesive: Epoxy Resin

General Specification

1. Storage Temperature: -40°C — +125°C
2. Operation Temperature: -40°C — +105°C
3. Rated Current: Base on Temperature
ΔL/LDA=10% max
4. Resistance to solder heat: 260°C, 10 secs



DIMENSIONS:MM

Series	A	B	C	E	F	F1	W
FASB0906	9.50±0.3	10.50±0.3	6.00±0.3	2.50±0.3	11.0±0.3	12.7±0.8	0.7±0.1
FASB0908	9.50±0.3	10.50±0.3	7.50±0.3	2.50±0.3	11.0±0.3	12.7±0.8	0.7±0.1

FASB 0906 Series
FASB 0908 101Y-153Y

FASB 0908 1R5M-820M

Note: All specifications subject to change without notice.

SHIELDED SMD POWER INDUCTOR FASB0906, FASB0908 SERIES



FEATURES:

Magnetic Shielded Surface Mount Inductor with High Current Rating.
Low Resistance to Keep Power Loss Minimum.

OPTIONS:

Standard & Reel is Standard (Qty: SB0906: 600pcs, SB0908: 400pcs) Bulk packaging Available for Smaller Quantities
Tolerance: M = 20%, Y = 15% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

Excellent for Power Line DC-DC Converter Applications used in Hard disk, Notebook Computers and Other Electronic Equipment.

ELECTRICAL CHARACTERISTICS

Part Number	Inductance [μ H]	Q ref.	Test F req. [Hz]		SRF [MHz] min.	DCR [Ω] max.	IDC [A] max.	Part Number	Inductance [μ H]	Q ref.	Test F req. [Hz]		SRF [MHz] min.	DCR [Ω] max.	IDC [A] max.
			L	Q							L	Q			
FASB0906								FASB0908							
102Y	1000.0 \pm 15%	100	1K	0.252 M	2.30	4.00	0.220	1R5M	1.50 \pm 20%	20	1K	7.960 M	65.0	0.014	5600
122Y	1200.0 \pm 15%	100	1K	0.252 M	2.30	4.40	0.200	2R7M	2.70 \pm 20%	20	1K	7.960 M	50.0	0.019	4800
152Y	1500.0 \pm 15%	100	1K	0.252 M	2.00	5.20	0.180	3R9M	3.90 \pm 20%	20	1K	7.960 M	35.0	0.021	4400
182Y	1800.0 \pm 15%	100	1K	0.252 M	1.70	7.00	0.170	5R6M	5.60 \pm 20%	18	1K	7.960 M	25.0	0.027	3800
222Y	2200.0 \pm 15%	100	1K	0.252 M	1.50	8.50	0.160	7R5M	7.50 \pm 20%	18	1K	7.960 M	15.0	0.032	3400
272Y	2700.0 \pm 15%	100	1K	0.252 M	1.40	9.20	0.140	100M	10.00 \pm 20%	33	1K	2.520 M	11.0	0.040	3000
332Y	3300.0 \pm 15%	100	1K	0.252 M	1.30	11.0	0.120	120M	12.00 \pm 20%	40	1K	2.520 M	11.0	0.050	2500
392Y	3900.0 \pm 15%	100	1K	0.252 M	1.20	16.0	0.110	150M	15.00 \pm 20%	45	1K	2.520 M	8.50	0.065	2200
472Y	4700.0 \pm 15%	100	1K	0.252 M	1.00	19.0	0.100	180M	18.00 \pm 20%	40	1K	2.520 M	8.50	0.075	2000
562Y	5600.0 \pm 15%	100	1K	0.252 M	0.90	21.0	0.090	220M	22.00 \pm 20%	35	1K	2.520 M	6.00	0.080	1900
682Y	6800.0 \pm 15%	100	1K	0.252 M	0.90	24.0	0.090	270M	27.00 \pm 20%	45	1K	2.520 M	6.00	0.090	1800
822Y	8200.0 \pm 15%	100	1K	0.252 M	0.80	31.0	0.080	330M	33.00 \pm 20%	40	1K	2.520 M	5.00	0.100	1700
103Y	10000.0 \pm 15%	100	1K	79.60 K	0.70	38.0	0.070	390M	39.00 \pm 20%	45	1K	2.520 M	5.00	0.135	1500

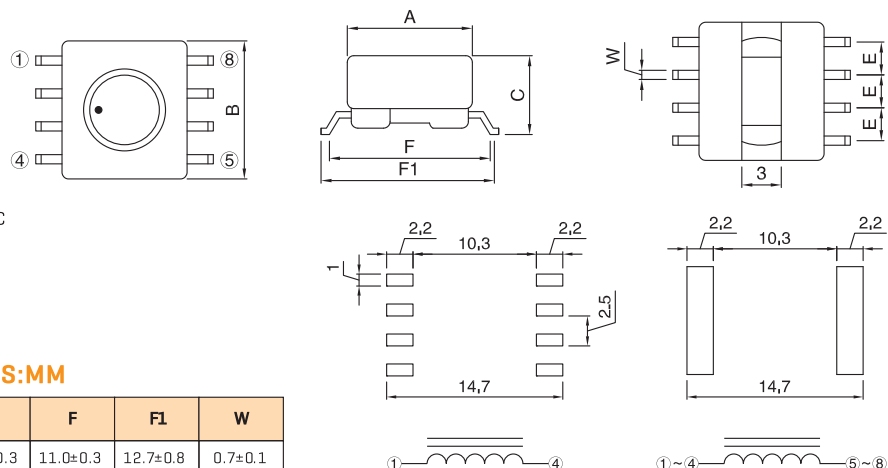
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Materials:

- Core: Ferrite DR Core & RI Core
- Wire: Enamelled Copper Wire
- Base: LCP E4008
- Terminal: Tinned Copper Plate
- Adhesive: Epoxy Resin

General Specification

- Storage Temperature: -40°C $- +125^{\circ}\text{C}$
- Operation Temperature: -40°C $- +105^{\circ}\text{C}$
- Rated Current: Base on Temperature
 $\Delta L/\text{LOA} = 10\% \text{ max}$
- Resistance to solder heat: 260°C , 10 secs



DIMENSIONS:MM

Series	A	B	C	E	F	F1	W
FASB0906	9.50 \pm 0.3	10.50 \pm 0.3	6.00 \pm 0.3	2.50 \pm 0.3	11.0 \pm 0.3	12.7 \pm 0.8	0.7 \pm 0.1
FASB0908	9.50 \pm 0.3	10.50 \pm 0.3	7.50 \pm 0.3	2.50 \pm 0.3	11.0 \pm 0.3	12.7 \pm 0.8	0.7 \pm 0.1

Note: All specifications subject to change without notice.

FASB 0906 Series
FASB 0908 101Y-153Y

FASB 0908 1R5M-820M

SHIELDED SMD POWER INDUCTOR FASB0906, FASB0908 SERIES



FEATURES:

Magnetic Shielded Surface Mount Inductor with High Current Rating.
Low Resistance to Keep Power Loss Minimum.

OPTIONS:

tape & Reel is Standard [Qty: SB0906: 600pcs, SB0908: 400pcs] Bulk packaging Available for Smaller Qty quantities
tolerance: M = 20%, Y = 15% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

Excellent for Power Line DC-DC Converter Applications used in Hard disk, Notebook Computers and Other Electronic Equipment.

ELECTRICAL CHARACTERISTICS

Part Number	Inductance [μ H]	Q ref.	Test F req. [Hz]		SRF [M Hz] min.	DCR [Ω] max.	IDC [A] max.	Part Number	Inductance [μ H]	Q ref.	Test F req. [Hz]		SRF [M Hz] min.	DCR [Ω] max.	IDC [A] max.
			L	Q							L	Q			
FASB0908								FASB0908							
470M	47.00 \pm 20%	40	1K	2.520 M	4.00	0.150	1400	561Y	560.00 \pm 15%	35	1K	0.796 M	2.20	1.500	380
560M	56.00 \pm 20%	35	1K	2.520 M	3.00	0.165	1350	681Y	680.00 \pm 15%	30	1K	0.796 M	2.00	1.700	350
680M	68.00 \pm 20%	30	1K	2.520 M	2.50	0.184	1250	821Y	820.00 \pm 15%	35	1K	0.796 M	1.90	2.200	320
820M	82.00 \pm 20%	30	1K	2.520 M	2.40	0.260	1050	102Y	1000.00 \pm 15%	85	1K	0.252 M	1.80	2.500	300
101Y	100.00 \pm 15%	40	1K	0.796 M	6.00	0.280	1000	152Y	1500.00 \pm 15%	120	1K	0.252 M	1.30	4.000	250
121Y	120.00 \pm 15%	42	1K	0.796 M	5.70	0.340	900	222Y	2200.00 \pm 15%	95	1K	0.252 M	1.00	5.000	200
151Y	150.00 \pm 15%	45	1K	0.796 M	4.60	0.450	800	332Y	3300.00 \pm 15%	95	1K	0.252 M	0.90	8.000	150
181Y	180.00 \pm 15%	35	1K	0.796 M	4.20	0.500	700	472Y	4700.00 \pm 15%	90	1K	0.252 M	0.80	12.00	120
221Y	220.00 \pm 15%	35	1K	0.796 M	3.80	0.600	650	682Y	6800.00 \pm 15%	90	1K	0.252 M	0.60	16.50	100
271Y	270.00 \pm 15%	30	1K	0.796 M	3.40	0.700	600	822Y	8200.00 \pm 15%	85	1K	0.252 M	0.50	24.00	97
331Y	330.00 \pm 15%	30	1K	0.796 M	3.00	0.800	550	103Y	10000.00 \pm 15%	110	1K	79.60 K	0.50	26.00	95
391Y	390.00 \pm 15%	33	1K	0.796 M	2.60	1.000	500	153Y	15000.00 \pm 15%	130	1K	79.60 K	0.40	40.00	75
471Y	470.00 \pm 15%	30	1K	0.796 M	2.30	1.150	450								

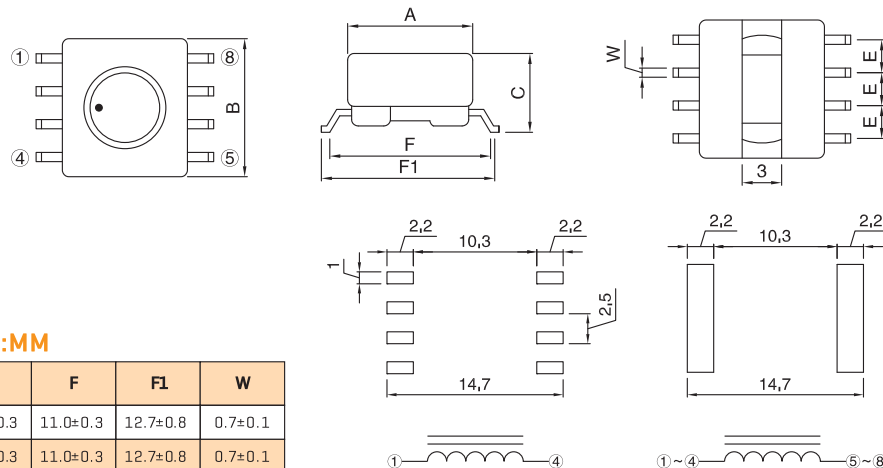
TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS

Materials:

1. Core: Ferrite DR Core & RI Core
2. Wire: Enamelled Copper Wire
3. Base: LCP E4008
4. Terminal: Tinned Copper Plate
5. Adhesive: Epoxy Resin

General Specification

1. Storage Temperature: $-40^{\circ}\text{C} - +125^{\circ}\text{C}$
2. Operation Temperature: $-40^{\circ}\text{C} - +105^{\circ}\text{C}$
3. Rated Current: Base on Temperature
 $\Delta L/LOA=10\%$ max
4. Resistance to solder heat: $260^{\circ}\text{C}, 10$ secs



DIMENSIONS:MM

Series	A	B	C	E	F	F1	W
FASB0906	9.50 \pm 0.3	10.50 \pm 0.3	6.00 \pm 0.3	2.50 \pm 0.3	11.0 \pm 0.3	12.7 \pm 0.8	0.7 \pm 0.1
FASB0908	9.50 \pm 0.3	10.50 \pm 0.3	7.50 \pm 0.3	2.50 \pm 0.3	11.0 \pm 0.3	12.7 \pm 0.8	0.7 \pm 0.1

FASB 0906 Series
FASB 0908 101Y-153Y

FASB 0908 1R5M-820M

Note: All specifications subject to change without notice.