HIGH CURRENT POWER INDUCTOR FACSCE1470,2212 SERIES

FEATURES:

Assemblage design, sturdy structure.
High inductance, high current, low magnetic loss, low ESR, small parasitic capacitance.
Flat wire winding, achieve a low D.C.R esistance.
Temperature rise current and saturation current is less influenced by environment.
Operating temperature: -40℃ ~ +125℃
(Including coil's temperature rise).

PRODUCT INENTIFICATION:

CSCE 1470 - 2R5 M
a b c d

a: Series name
b: Product dimensions
c: Inductance Value(1R0:1.0uH;100;10uH;101:100uH)
d: Inducatance Tolerance(K:10%;M:20%;N:30%)

ELECTRICAL CHARACTERISTICS:

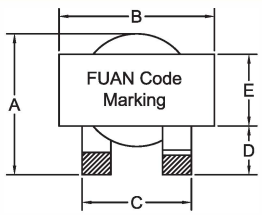
Part Number	Inductance (uH)±20%	DCR(mΩ)		Saturation Current(A) Typical	Temperature Current(A) Typical
		Typical	Max		
FACSCE1470-2R5M	2.50	2.74	3.50	16.0	18.0
FACSCE1470-3R3M	3.30	2.74	3.50	12.0	18.0
FACSCE1470-4R7M	4.70	2.74	3.50	8.00	18.0

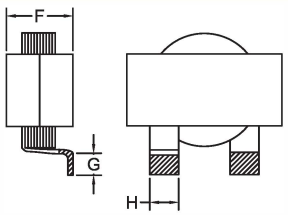
Part Number	Inductance (uH)±20%	DCR(mΩ)		Saturation Current(A) Typical	Temperature Current(A) Typical
		Typical	Max		
FACSCE2212-R82M	0.82	0.57	0.62	70.0	40.0
FACSCE2212-2R2M	2.20	2.68	2.98	64.0	22.0
FACSCE2212-3R3M	3.30	4.30	4.80	49.0	19.0
FACSCE2212-4R7M	4.70	4.30	4.80	33.0	19.0
FACSCE2212-6R8M	6.80	4.30	4.80	29.0	19.0
FACSCE2212-100M	10.0	4.60	5.20	20.0	16.0
FACSCE2212-220M	22.0	12.7	14.0	15.0	13.0
FACSCE2212-330M	33.0	12.7	14.0	10.5	13.0
FACSCE2212-470M	47.0	12.7	14.0	8.00	13.0
FACSCE2212-560M	56.0	12.7	14.0	5.00	13.0

TEST CONDITIONS

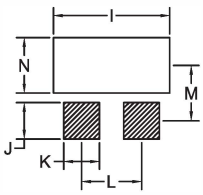
1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 20% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T40(Ta=25℃).
5. Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.

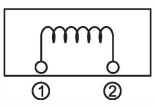
TECHNICAL INFORMATION





ELECTRICAL SCHEMATIC & PAD LAYOUT





Dimensions(mm)

Part number	A	B	C	D	E	F	G	H	I	J
FACSCE1470	14.0 Max	14.5±0.3	10.1±0.5	4.5±0.5	6.7±0.3	6.7 Max	2.0±0.5	2.6±0.2	14.8 REF	4.5 REF
FACSCE2212	22.5 Max	22.6±0.6	14.5±0.5		14.0±0.3	12.0 Max	2.5±0.5	4.5±0.2	23.2 REF	5.0 REF

Part number	K	L	M	N						
FACSCE1470	4.5 REF	7.5 REF	7.0 REF	7.0 REF						
FACSCE2212	6.0 REF	10.0 REF	11.0 REF	14.3 REF						

HIGH CURRENT POWER INDUCTOR FACSCE2580 SERIES

FEATURES:

Assemblage design, sturdy structure.
Small volume, high current, low magnetic loss, low ESR, small parasitic capacitance.
Closed magnetic circuit, ultra low buzz noise.
Temperature rise current and saturation current is less influenced by environment.
Operating temperature: -40℃ ~ +125℃ (Including coil's temperature rise).

PRODUCT INENTIFICATION:

CSCE 2580 - 1R5 M
a b c d

a:Series name
b:Product dimensions
c:Inductance Value(1R0:1.0uH;100;10uH;101:100uH)
d:Inducatance Tolerance(K:10%;M:20%;N:30%)

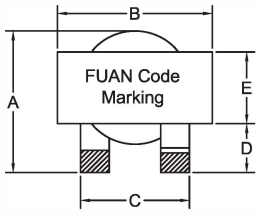
ELECTRICAL CHARACTERISTICS:

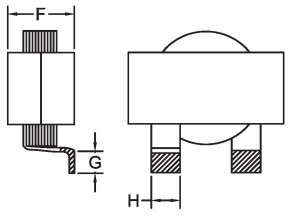
Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACSCE2580-1R5M	1.50	1.60	1.80	60.0	28.0
FACSCE2580-3R3M	3.30	2.60	3.00	38.0	26.0
FACSCE2580-4R7M	4.70	2.60	3.00	30.0	26.0
FACSCE2580-6R8M	6.80	3.10	3.50	23.0	23.0
FACSCE2580-100M	10.0	4.96	6.00	20.0	20.0
FACSCE2580-150M	15.0	4.96	6.00	11.0	20.0
FACSCE2580-220M	22.0	4.96	6.00	8.00	20.0
FACSCE2580-330M	33.0	4.96	6.00	6.00	20.0
FACSCE2580-560M	56.0	4.96	6.00	3.00	20.0

TEST CONDITIONS

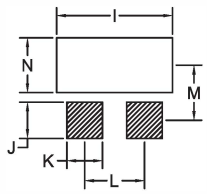
1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 20% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T 40(Ta=25℃).
5. Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.

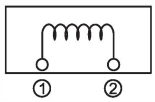
TECHNICAL INFORMATION





ELECTRICAL SCHEMATIC & PAD LAYOUT





Dimensions(mm)

Part number	A	B	C	D	E	F	G	H	I	J	K
FACSCE2580	25.0 Max	25.0±0.5	14.5±0.5		18.0±0.5	8.4 Max	2.5±0.5	4.5±0.2	25.4 REF	5.0 REF	6.0 REF
Part number	**L**	**M**	**N**								
FACSCE2580	10.0 REF	13.0 REF	18.4 REF								

HIGH CURRENT POWER INDUCTOR FACPER3231 SERIES

FEATURES:

Assemblage design, sturdy structure.
High inductance, high current, low magnetic loss,
low ESR, small parasitic capacitance.
Flat wire winding, achieve a low D.C.Resistance.
Temperature rise current and saturation current is less influenced by environment.
Operating temperature: -40℃~ +125℃
(ncluding coilís temperature rise).

PRODUCT IDENTIFICATION:

CPER 3231 - 101 M
a b c d

a:Series name
b:Product dimensions
c:Inductance Value(1R0:1.0uH;100;10uH;101:100uH)
d:Inducatance Tolerance(K:10%;M:20%;N:30%)

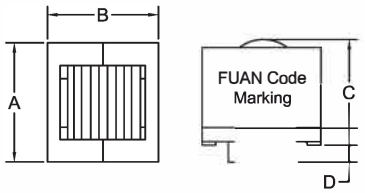
ELECTRICAL CHARACTERISTICS

Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACPER3231-101M	100	9.02	12.0	23.0	23.0

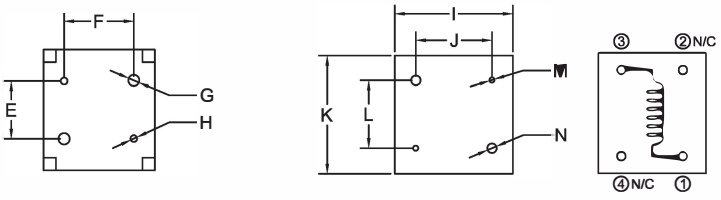
TEST CONDITIONS

1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 30% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T40 (Ta=25℃).
5. Special remind : Circuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. Please verify the product temperature in the final application.

TECHNICAL INFORMATION



ELECTRICAL SCHEMATIC & PAD LAYOUT



DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	I	J	K
FACPER3231	32.8 Max	31.0 Max	29.0 Max	5.0±0.5	15.7±0.5	19.1±0.5	2.0±0.2	1.0±0.1	31.0 REF	19.1 REF	32.8 REF
Part number	**L**	**M**	**N**								
FACPER3231	15.7 REF	1.5 REF	2.5 REF								

HIGH CURRENT POWER INDUCTOR FACPEX2722 SERIES

FEATURES:

Assemblage design, sturdy structure.
High inductance, high current, low magnetic loss,
low E SR, small parasitic capacitance .
Flat wire winding, achieve a low D.C. R esistance.
Temperature rise current and saturation current is less influenced by environment.
O perating temperature: -40℃~ +125℃
(ncluding coilís temperature rise).

PRODUCT IDENTIFICATION:

CPEX 2722 - 100 M
a b c d

a:Series name
b:Product dimensions
c:Inductance Value(1R0:1.0uH;100;10uH;101:100uH)
d:Inducatance Tolerance(K:10%;M:20%;N:30%)

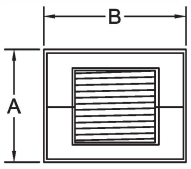
ELECTRICAL CHARACTERISTICS

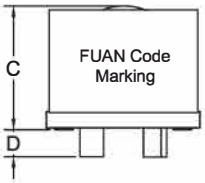
Part Number	Inductance (uH)±20%	D.C.Resistor(mΩ)		Saturation Current (A)Typical	Temperature Current (A)Typical
		Typical	Max		
FACPEX2722-100M	10.0	3.60	4.10	95.0	25.0
FACPEX2722-120M	12.0	3.60	4.10	80.0	25.0
FACPEX2722-150M	15.0	3.60	4.10	63.0	25.0
FACPEX2722-180M	18.0	3.60	4.10	48.0	25.0
FACPEX2722-220M	22.0	3.60	4.10	33.0	25.0
FACPEX2722-270M	27.0	3.60	4.10	30.0	25.0

TEST CONDITIONS

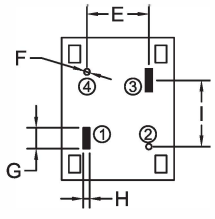
1. All data is tested based on 25℃ ambient temperature.
2. Inductance measure condition at 100kHz, 0.1V.
3. Saturation current : the actual value of DC current when the inductance decrease 30% of its initial value.
4. Temperature rise current : the actual value of DC current when the temperature rise is △T40 (Ta=25℃).
5. Special remind : C ircuit design, component placement, PWB size and thickness, cooling system and etc. all will affect the product temperature. P lease verify the product temperature in the final application.

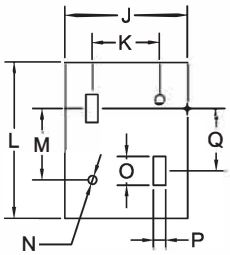
TECHNICAL INFORMATION

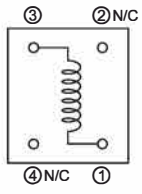




ELECTRICAL SCHEMATIC & PAD LAYOUT







DIMENSIONS:MM

Part number	A	B	C	D	E	F	G	H	I	J	K
FACPEX2722	21.5±0.5	27.3±0.3	22.3±0.5	5.0±0.5	12.0±0.5	1.0±0.2	4.0±0.5	1.0±0.3	12.8±0.5	22.0 REF	12.0 REF
Part number	**L**	**M**	**N**	**O**	**P**	**Q**					
FACPEX2722	27.8 REF	12.8 REF	1.5 REF	5.0 REF	2.0 REF	11.2 REF					