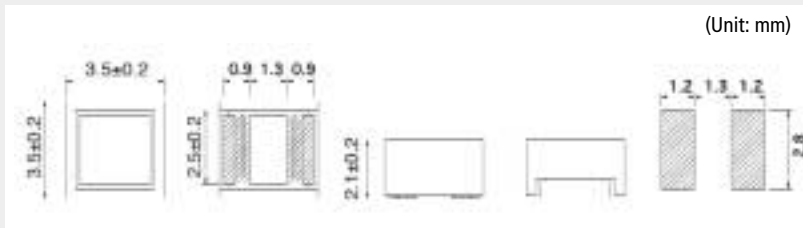




### EXTERNAL DIMENSIONS



### Test Equipment and Conditions

- Operating Temperature Range : -25°C to +85°C

### Features

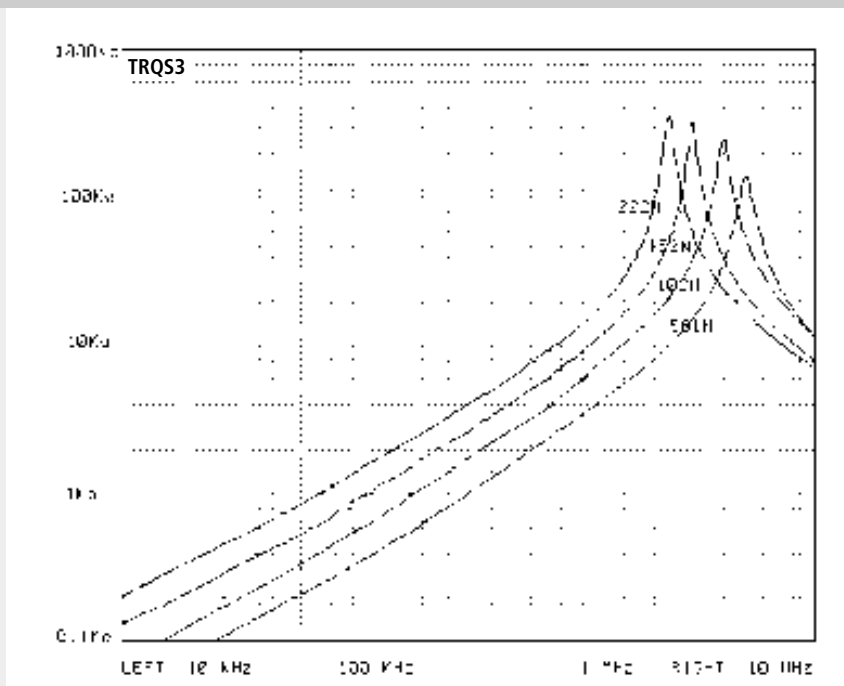
- Small size is suitable for portable equipment.
- Low DC resistance
- Wide inductance range 560 micro H to 2200 micro H.
- Magnetically shielded structure prevents interference occurring between peripheral components.
- Suitable for lead free soldering.
- ROHS compliant.

### Specifications

Part Number	Inductance (μH)	Test Frequency (MHz)	DC Resistance (Ω) max.	S.R.F. (MHz) min.	Rated DC Current (mA) max.
TRQS3-561N	560	1	10.14	3.0	50
TRQS3-681N	680	1	11.83	2.6	40
TRQS3-102N	1000	1	14.3	2.1	30
TRQS3-152N	1500	1	29.9	1.7	25
TRQS3-222N	2200	1	36.4	1.5	20

NOTE: □ Tolerance value: N = ±30%.

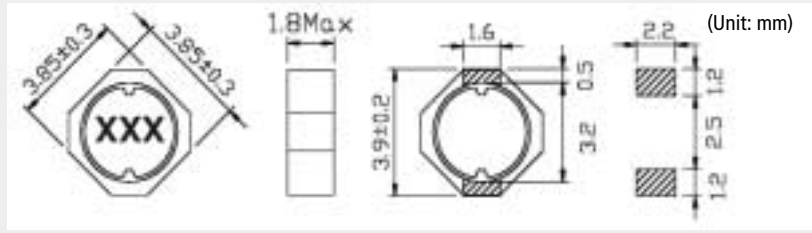
### Impedance-Frequency Characteristics



# POWER INDUCTOR (SHIELDED)

## POWER CHOKE - OCT3816 SERIES

### EXTERNAL DIMENSIONS



### Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current which causes 35% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)
- Operating Temperature Range : -25°C to +85°C.
- Suitable for lead free soldering

### Specifications

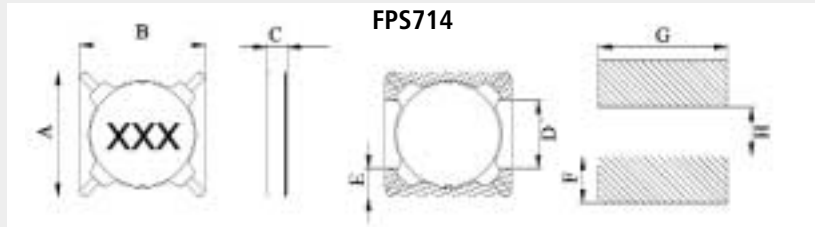
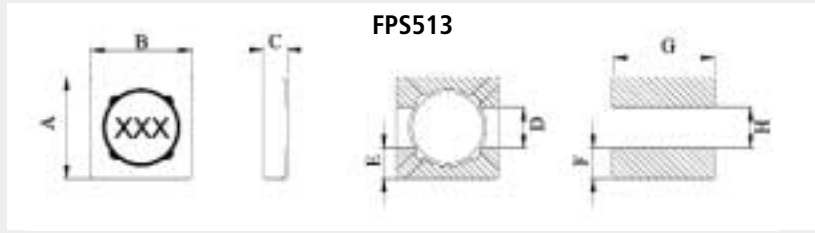
Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Isat (A) max.
OCT3816-1R0 □	1.0	100	0.030	1.80
OCT3816-1R2 □	1.2	100	0.083	1.30
OCT3816-2R2 □	2.2	100	0.058	1.00
OCT3816-3R5 □	3.5	100	0.127	0.70
OCT3816-3R9 □	3.9	100	0.135	0.68
OCT3816-4R7 □	4.7	100	0.146	0.64
OCT3816-5R6 □	5.6	100	0.176	0.60
OCT3816-6R8 □	6.8	100	0.238	0.54
OCT3816-8R2 □	8.2	100	0.272	0.50
OCT3816-100 □	10	100	0.290	0.48
OCT3816-150 □	15	100	0.472	0.44
OCT3816-220 □	22	100	0.592	0.31
OCT3816-330 □	33	100	1.075	0.26
OCT3816-470 □	47	100	1.309	0.21
OCT3816-680 □	68	100	2.613	0.18
OCT3816-101 □	100	100	3.255	0.15
OCT3816-152 □	1500	100	25	0.038
OCT3816-222 □	2200	100	59	0.035

NOTE: □ Tolerance value: K = ±10%, L = ±15%, M = ±20%, N = ±30%.

# POWER INDUCTOR (SHIELDED)

## POWER CHOKE - FPS513/FPS714 SERIES

### EXTERNAL DIMENSIONS



### Test Equipment and Conditions

- Inductance is measured with HP-4284A LCR meter or equivalent.
- Maximum allowable DC current which causes 35% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- Operating Temperature Range : -25°C to +85°C.

### Features

- Low profile and square.
- Magnetically shielded and low DC resistance.
- Suitable for large currents.
- Available on tape and reel for auto-insertion.

### Applications

- Ideal use in variety of DC-DC converter inductor applications.

### Solder Land Information

Type	A	B	C	D	E	F	G	H
FPS513	5.0±0.3	5.0±0.3	1.3max.	2.0	1.5±0.2	2.0	5.5	1.5
FPS714	7.4±0.5	7.4±0.5	1.4max.	4.4	1.5±0.3	2.5	8.0	3.5

# POWER INDUCTOR (SHIELDED)

## POWER CHOKE - FPS513/FPS714 SERIES

### Specifications

Part Number	Inductance (μH)	Test Frequency (KHz)	DC Resistance (Ω) max.	Rated DC Current (A) max.
FPS513-1R0 □	1.0	100	0.065	2.40
FPS513-1R5 □	1.5	100	0.110	2.00
FPS513-2R2 □	2.2	100	0.145	1.60
FPS513-3R3 □	3.3	100	0.208	1.40
FPS513-3R9 □	3.9	100	0.235	1.25
FPS513-4R7 □	4.7	100	0.262	1.15
FPS513-5R6 □	5.6	100	0.276	1.08
FPS513-6R8 □	6.8	100	0.300	1.00
FPS513-8R2 □	8.2	100	0.385	0.90
FPS513-100 □	10	100	0.430	0.85
FPS513-220 □	22	100	0.880	0.50
FPS513-330 □	33	100	1.400	0.40
FPS714-1R2 □	1.2	100	0.045	2.8
FPS714-2R2 □	2.2	100	0.065	2.1
FPS714-3R3 □	3.3	100	0.095	1.9
FPS714-4R7 □	4.7	100	0.130	1.5
FPS714-5R6 □	5.6	100	0.175	1.4
FPS714-6R8 □	6.8	100	0.200	1.2
FPS714-8R2 □	8.2	100	0.240	1.1
FPS714-100 □	10	100	0.260	1.0
FPS714-150 □	15	100	0.405	0.8
FPS714-220 □	22	100	0.617	0.7
FPS714-330 □	33	100	0.870	0.50
FPS714-470 □	47	100	1.300	0.45
FPS714-680 □	68	100	1.840	0.30
FPS714-101 □	100	100	2.860	0.25
FPS714-151 □	150	100	3.730	0.20

NOTE: □ Tolerance value: : M = ±20%, N = ±30%.