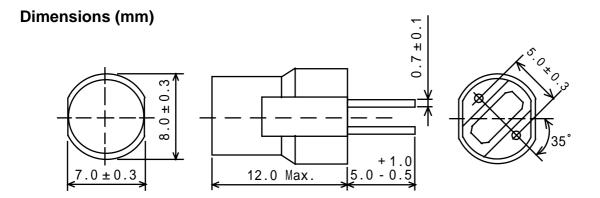
# **Type: FB-875**

#### **Product Description**

- 8.3mm Max (L x W), 12.0mm Max.height.
- ·Both used as power inductors and filters.
- ·Inductance range: 4.7  $\mu$  H ~ 100  $\mu$  H.
- ·Rated Current Range: 0.7A ~ 1.6A (as power inductor).
- ·Operating frequency:250kHz Max. (as filter).
- · In addition to the reference versions of parameters shown here, custom designs are available to meet your exact requirements.

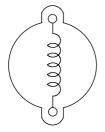
#### **Feature**

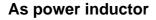
- · Magnetically unshielded construction with one built-in capacitor.
- · Ideally used in TV, Copy Machine, Mainboard of the compounding machines, etc as Power Supplies's Inductors or DC-DC Converter inductors.(as power inductor).
- · Ideally used as Audio Filters(Trap)
- ·RoHS Compliance

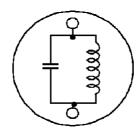


- \* Dimension does not include solder used on coil.
- \* Pin pitch should be measured at the root of terminal.

### **Connection (Bottom View)**







As filter



**Type: FB-875** 

## Specification(Used as inductors)

Part No.	Stamp	Inductance <within> 1</within>	D.C.R <max.> ( )(at 20 )</max.>	Saturation Current (A) 2	Temperature rise current (A) 3
FB875NP-4R7M	4R7M	$4.7  \mu  H \pm 20\%$	0.06	6.0	1.6
FB875NP-5R6M	5R6M	5.6 µ H ± 20%	0.07	5.5	1.6
FB875NP-6R8M	6R8M	6.8 µ H ± 20%	0.08	5.0	1.6
FB875NP-8R2M	8R2M	8.2 µ H ± 20%	0.09	4.5	1.6
FB875NP-1ØØM	100M	10 μ H ± 20%	0.10	4.0	1.6
FB875NP-12ØM	120M	12 μ H ± 20%	0.11	3.6	1.6
FB875NP-15ØM	150M	15 μ H ± 20%	0.12	3.1	1.6
FB875NP-18ØM	180M	18 μ H ± 20%	0.13	3.0	1.6
FB875NP-22ØM	220M	$22  \mu  H \pm 20\%$	0.14	2.7	1.4
FB875NP-27ØM	270M	27 μ H ± 20%	0.15	2.4	1.0
FB875NP-33ØM	330M	$33  \mu  H \pm 20\%$	0.17	2.2	1.0
FB875NP-39ØM	390M	39 μ H ± 20%	0.19	2.0	1.0
FB875NP-47ØK	470K	47 μ H ± 10%	0.21	1.9	1.0
FB875NP-56ØK	560K	56 μ H ± 10%	0.24	1.7	1.0
FB875NP-68ØK	680K	68 μ H ± 10%	0.33	1.5	0.8
FB875NP-82ØK	820K	82 μ H ± 10%	0.36	1.4	0.8
FB875NP-1Ø1K	101K	100 μ H ± 10%	0.54	1.1	0.7

<sup>1:</sup> Measuring frequency(Inductance) : 4.7  $\mu$  H  $\sim$  10  $\mu$  H, 100  $\mu$  H at 7.96MHz 12  $\mu$  H  $\sim$  82  $\mu$  H at 2.52MHz

<sup>2:</sup> Saturation current: The DC current at which the inductance decreases to 90% of it's initial value.

<sup>3:</sup> Temperature rise current: The DC current at which the temperature rise is t = 20 .(Ta = 20).



**Type: FB-875** 

## Specification(Used as filter,Part No.:S1160260)

Item		Specification
Input impedance	(Rin)	600Ω
Output impedance	(Rout)	600Ω
Attenuation	70kHz	30dB Min.
Capacity (Int.)		150pF± 1 0% Within

# Frequency Response (Attenuation 1kHz=0dB)

