SPECIFICATION

FMBL series (Rev. 4.0)

Applications

* Cable modem/ Set-top box/ CATV filter/ Wireless LAN,

Features

* RoHS compliant
* Bead inductor for power energy storage or noise suppressor.
* Fit for power line & signal line circuit.
* To help you go pass the CE/ FCC standard.

Bluetooth Headset

Product Indentfication

FMBL	160808	-	4R7	M	H
1	2		3	4	4

1. Product Code
2. Size Code
3. Inductance: 4.7uH
4. Tolerance: M=±20%
5. H: high current

Operating & Storage Condition :

* Operating Temp. : -40 to +85 ℃
* Storage Temp. : -40 to +85 ℃
* Storage Life Time : 12 Months @25 ℃ , RH 65%

Test Equipment :

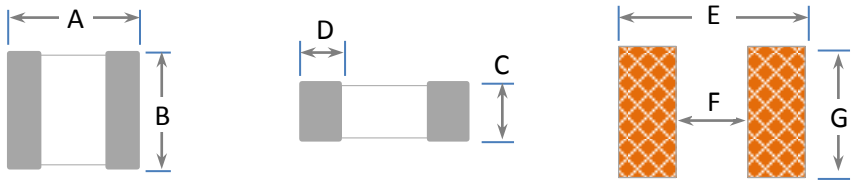
* HP4284A, HP42841A- L, IDC, Q, RDC
* HP8753D NETWORK ANALYZER- SRF

Standard Atmospheric Conditions :

* Ambient Temp : 20+/-15 ℃
* Relative Humidity : 65+/-20%

Dimension & Recommended PAD Layout: [mm]

Front View	Side View	Pad Layout



Size Code	A(±0.20)	B(±0.20)	C(±0.20)	D(±0.30)	E(ref.)	F(ref.)	G(ref.)	Imperial
160808	1.60	0.80	0.80	0.40	1.80	0.60	1.00	0603

Electrical Characteristics

P/N	Inductance (uH) ±20%	Q min.	SRF (MHz) min.	DCR (Ω)	IDC (mA) max.
FMBL160808-2R2M	2.2 @10MHz	35 @10MHz	50	1.15 max.	15
FMBL160808-4R7M	4.7 @10MHz	35 @10MHz	33	2.10 max.	15
FMBL160808-100M	10.0 @ 2MHz	30 @ 2MHz	17	1.85 max.	3
FMBL160808-2R2MH	2.2 @10MHz	-	50	0.50 ±25%	120
FMBL160808-4R7MH	4.7 @10MHz	-	33	0.75 ±25%	80
FMBL160808-100MH	10.0 @ 2MHz	-	17	1.15 ±25%	60

* IDC : This indicates the value of current when the inductance is 10% lower than it's initial value at D.C. superimposition or D.C.current when at ΔT=40°C,whichever is lower. (Ta=20°C)

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Features

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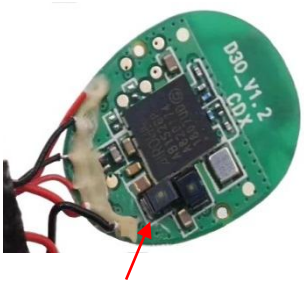


Bluetooth Headset

Product Indentfication

FMBL	201209	-	4R7	M	H
1	2		3	4	4

1. Product Code
2. Size Code
3. Inductance: 4.7uH
4. Tolerance: M= ±20%
5. H: high current

Operating & Storage Condition :

* Operating Temp. : -40 to +85 ℃
* Storage Temp. : -40 to +85 ℃
* Storage Life Time : 12 Months @25 ℃ , RH 65%

Test Equipment :

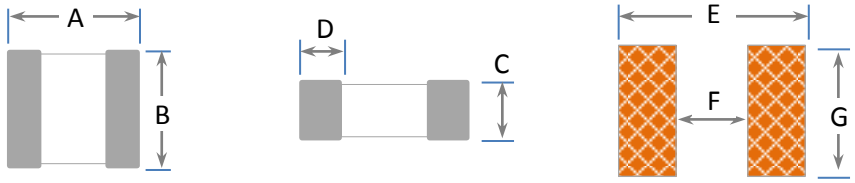
* HP4284A, HP42841A- L, IDC, Q, RDC
* HP8753D NETWORK ANALYZER- SRF

Standard Atmospheric Conditions :

* Ambient Temp : 20+/-15 ℃
* Relative Humidity : 65+/-20%

Dimension & Recommended PAD Layout: [mm]

Front View	Side View	Pad Layout



Size Code	A(±0.20)	B(±0.20)	C(±0.20)	D(±0.30)	E(ref.)	F(ref.)	G(ref.)	Imperial
201209	2.00	1.25	0.90	0.50	2.40	0.80	1.45	0805

Electrical Characteristics

P/N	Inductance (uH) ±20%	Q min.	SRF (MHz) min.	DCR (Ω)	IDC (mA) max.
FMBL201209-2R2M	2.2 @10MHz	45 @10MHz	50	0.65 max.	30
FMBL201209-4R7M	4.7 @10MHz	45 @10MHz	35	1.00 max.	30
FMBL201209-100M	10.0 @ 2MHz	50 @ 2MHz	24	1.15 max.	15
FMBL201209-2R2MH	2.2 @10MHz	-	50	0.25 ±25%	600
FMBL201209-4R7MH	4.7 @10MHz	-	35	0.30 ±25%	500
FMBL201209-100MH	10.0 @ 2MHz	-	24	0.56 ±25%	250

* IDC : This indicates the value of current when the inductance is 10% lower than it's initial value at D.C. superimposition or D.C.current when at ΔT=40°C,whichever is lower. (Ta=20°C)