

## BWLD Series



BWLD series is the newest open type ferrite wire wound chip inductors. The wire wound ferrite construction supports lower DCR than other open type inductors.

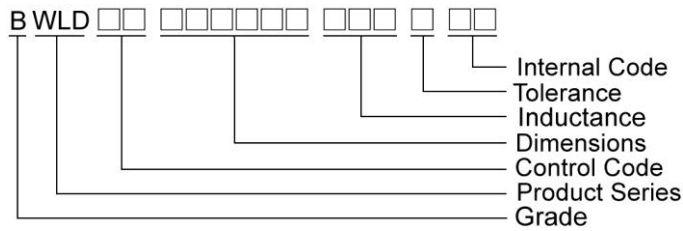
### Features

- RoHS compliant
- SMD type wire-wound chip inductor with low DC resistance
- Wide inductance range (0.9uH~100uH)

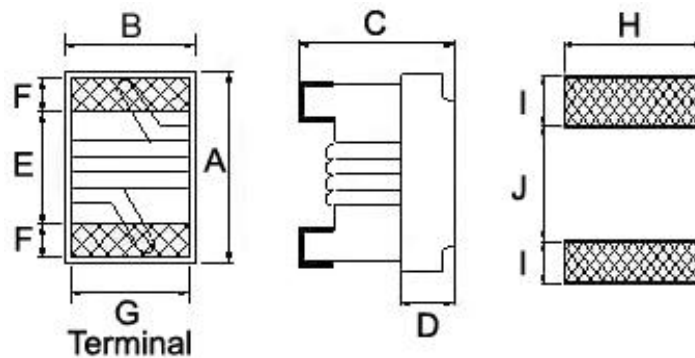
### Applications

- DSC, DVC, MD, PDA
- Portable digital devices

### Product Identification



### Shape and Dimensions / Recommended Pattern



Dimensions in mm

TYPE	A Max	B Max	C Max	D	E	F	G	H	I	J
BWLD00241715	2.4	1.72	1.52	0.70	1.00	0.50	1.27	1.78	1.02	0.76
BWLD00302522	2.99	2.50	2.20	0.70	1.52	0.51	2.03	2.54	1.02	1.27

# SMD Wire Wound Chip Inductors – BWLD Series

## Electrical Characteristics

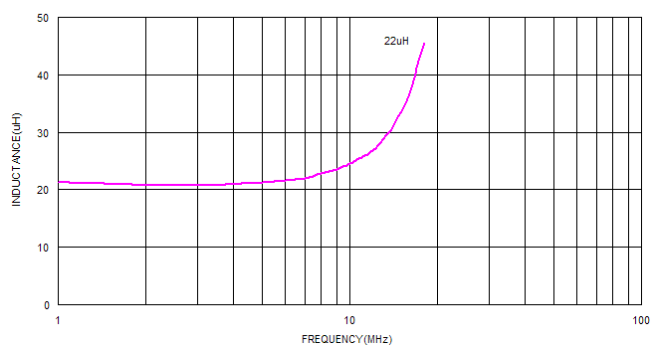
Part Number	Inductance (uH)	Tolerance (±%)	Test Frequency (MHz)	Q Typ.	SRF (MHz) Min	RDC (Ω±30%)	IDC (mA)	Color
BWLD002417151R0□00	1.0	10 / 20	7.96	18	100	0.10	800	Black
BWLD002417151R5□00	1.5	10 / 20	7.96	18	90	0.18	650	Brown
BWLD002417152R2□00	2.2	10 / 20	7.96	18	70	0.24	550	Red
BWLD002417153R3□00	3.3	10 / 20	7.96	18	55	0.30	450	Orange
BWLD002417154R7□00	4.7	10 / 20	7.96	18	50	0.47	360	Yellow
BWLD002417156R8□00	6.8	10 / 20	7.96	18	60	0.75	290	Green
BWLD00241715100□00	10	10 / 20	2.52	18	25	0.90	290	Blue
BWLD00241715150□00	15	10 / 20	2.52	18	25	1.60	230	Violet
BWLD00241715220□00	22	10 / 20	2.52	18	17	1.95	190	Gray
BWLD00241715330□00	33	10 / 20	2.52	17	15	2.60	120	White
BWLD00241715470□00	47	10 / 20	2.52	17	11	3.90	95	Black
BWLD00241715680□00	68	10 / 20	2.52	17	11	5.50	95	Brown
BWLD00241715101□00	100	10 / 20	1.00	12	9	9.00	70	Red

**Note: When ordering, please specify tolerance code. Tolerance: K=±10% , M=±20%**

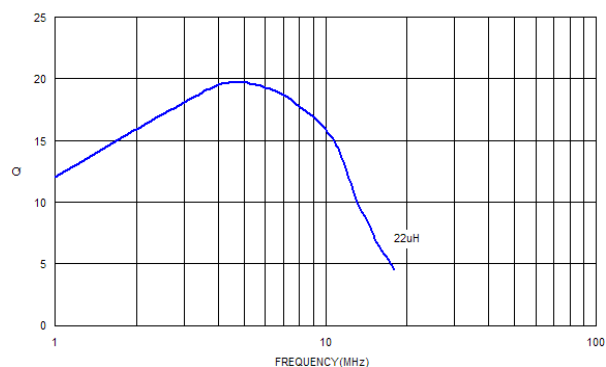
- Operating temperature range - 25°C ~ 105°C(Including self - temperature rise)
- IDC for Inductance drop 10% from its value with current
- Measure Equipment :  
 L & Q : Agilent E4991A+Agilent HP16197A(over 1MHz)/Agilent HP4285A(under 1MHz)  
 SRF : HP8753D/Agilent E4991A  
 RDC : Chroma 16502  
 IDC : HP4284A+HP42841A/HP4285A+HP42841A

## Test Instruments : Agilent E4991A Material/Impedance Analyzer

### Typical L vs. Frequency



### Typical Q vs. Frequency



# SMD Wire Wound Chip Inductors – BWLD Series

## Electrical Characteristics

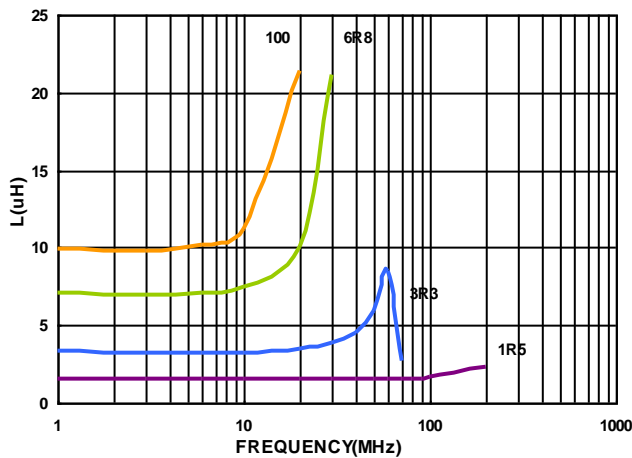
Part Number	Inductance Tolerance		Test Frequency (MHz)	Q Typ.	SRF (MHz) Min	RDC ( $\Omega$ ) Max	IDC (mA) Typ.	I <sub>rms</sub> (mA) Max	Color		
	( $\mu$ H)	( $\pm$ %)							1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>
BWLD003025221R9□00	0.9	10	2.5	25	300	0.1	1400	1300	White	Black	Brown
BWLD003025221R1□00	1.1	10	2.5	24	275	0.105	1300	1200	Brown	Brown	Red
BWLD003025221R3□00	1.3	5 / 10	2.5	24	220	0.11	1200	1100	Brown	Orange	Red
BWLD003025221R5□00	1.5	5 / 10	2.5	22	210	0.125	1100	1000	Brown	Yellow	Red
BWLD003025221R9□00	1.9	5 / 10	2.5	22	165	0.14	1000	1000	Brown	White	Red
BWLD003025222R2□00	2.2	5 / 10	2.5	21	75	0.155	950	950	Red	Red	Red
BWLD003025222R7□00	2.7	5 / 10	2.5	22	57	0.19	800	900	Red	Violet	Red
BWLD003025223R3□00	3.3	5 / 10	2.5	21	54	0.21	750	800	Orange	Orange	Red
BWLD003025223R9□00	3.9	5 / 10	2.5	21	50	0.22	700	800	Orange	White	Red
BWLD003025224R7□00	4.7	5 / 10	2.5	27	48	0.435	700	650	Yellow	Violet	Red
BWLD003025225R8□00	5.8	5 / 10	2.5	21	33	0.28	550	750	Green	Gray	Red
BWLD003025226R8□00	6.8	5 / 10	2.5	20	28	0.315	500	700	Blue	Gray	Red
BWLD003025228R2□00	8.2	5 / 10	2.5	20	24	0.395	500	650	Gray	Red	Red
BWLD00302522100□00	10	5 / 10	2.5	22	20	0.48	450	550	Brown	Black	Orange

**Note:** When ordering, please specify tolerance code. Tolerance: J= $\pm$ 5% , K= $\pm$ 10%

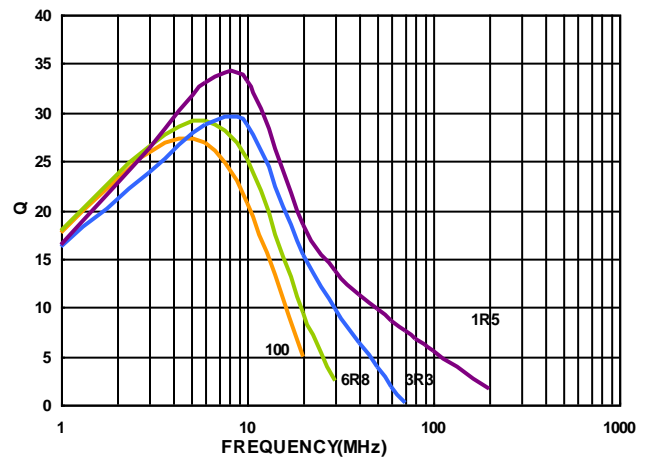
- Operating temperature range - 25°C ~ 105°C(Including self - temperature rise)
- IDC for Inductance drop 10% from its value with current
- I<sub>rms</sub> for a 40°C temperature rise from 25°C ambient with current
- Measure Equipment :
  - L : Agilent E4991A/HP4287A+16197A
  - SRF : HP8753D/Agilent E4991A
  - RDC : Chroma 16502
  - IDC : HP4284A+HP42841A/HP4285A+HP42841A

**Test Instruments :** Agilent E4991A Material/Impedance Analyzer

### Typical L vs. Frequency



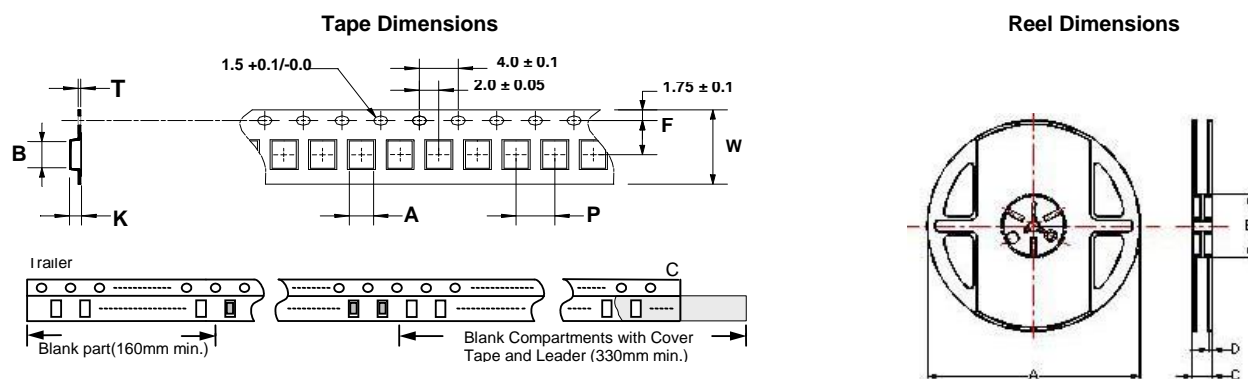
### Typical Q vs. Frequency



Please be sure to request approval specifications that provide further details of the products. Kindly note that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without Chilisin approval. Please contact our sales department before ordering.

# SMD Wire Wound Chip Inductors - BWLD Series

## Packaging Specifications



### Dimensions in mm

TYPE	Tape Dimensions							Reel Dimensions				Quantity
	A	B	T	W	P	F	K	A	B	C	D	PCS / REEL
BWLD00241715	1.60	2.42	0.22	8	4	3.5	1.45	178	60	12	1.5	2000
BWLD00302522	2.40	2.93	0.26	8	4	3.5	2.25	178	60	12	1.5	2000

单击下面可查看定价，库存，交付和生命周期等信息

[>>CHILISIN\(奇力新\)](#)