FEATURES

- Winding type realizes small size and low profile.
- Prevention of common mode noise at high frequency.
- Excellent solderability.
- Operating Temperature: -40℃~+85℃ .
- RoHS, Halogen Free and REACH Compliance.

APPLICATIONS

- Multimedia system.
- Facsimiles, Modems,Household Appliances,etc.

PART NUMBERING

AP	WB	4532	-	510	T	2	□□
① Grade	② Series Name	③ External Dimensions		④ Nominal Inductance	⑤ Packaging	⑥ Lines	⑦ Design Code

①Grade	
AP	Grade Code

② Series Name	
WB	Winding Type Common Mode Choke Coil

③External Dimensions
3225 [1210]
4532[1812]

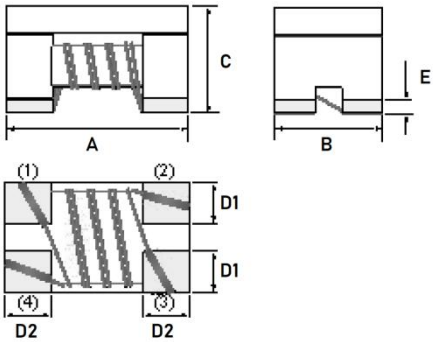
⑤Packaging	
T	Tape & Reel

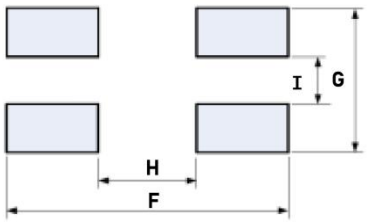
④ Nominal Inductance	
Code (example)	Nominal Inductance［μH］
110	11
510	51
201	200

⑥ Number of Lines
2

⑦Design Code	
□□	Standard product is blank

DIMENSIONS & RECOMMENDED LAND PATTERN



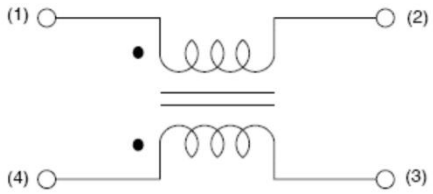


Recommended Land Pattern

Unit: mm

Dimensions							Recommended Land Pattern			
Series	A	B	C	E	D1 Typ.	D2 Typ.	F Typ.	G Typ.	I Typ.	H Typ.
APWB3225	3.2±0.2	2.5±0.2	2.1±0.2	0.2±0.1	0.8	0.9	4	2.5	0.9	2.2
APWB4532	4.5±0.2	3.2±0.2	2.8±0.2	0.2±0.1	1	1.2	5.10	3.6	1.05	3.4

EQUIVALENT CIRCUIT



ELECTRICAL CHARACTERISTICS

● APWB3225 Series

Part Number	Inductance	Heat Rating Current Max.	Rated Voltage	Test Freq.	DC Resistance Max.	Insulation Resistance Min.
Units	μH	mA	Volts	KHz/V	Ω	MΩ
Symbol	L(+50%/-30%)	Irms	VDC	Freq.	DCR	IR
APWB3225-110T2	11	400	80	100/0.1	0.4	10
APWB3225-220T2	22	300	80	100/0.1	0.5	10
APWB3225-510T2	51	200	80	100/0.1	0.7	10
APWB3225-101T2	100	150	80	100/0.1	1.5	10
APWB3225-201T2	200	70	80	100/0.1	4.8	10

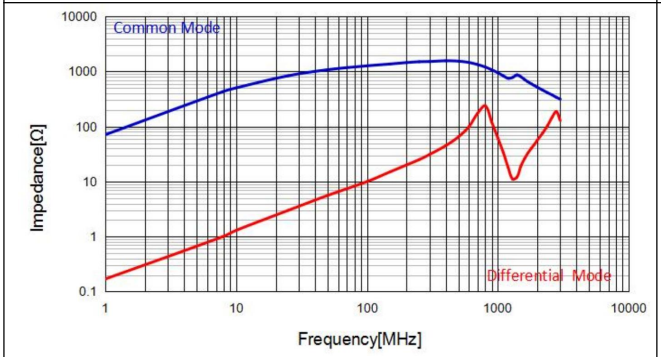
● APWB4532 Series

Part Number	Inductance	Heat Rating Current Max.	Rated Voltage	Test Freq.	DC Resistance Max.	Insulation Resistance Min.
Units	μH	mA	Volts	KHz/V	Ω	MΩ
Symbol	L(+50%/-30%)	Irms	VDC	Freq.	DCR	IR
APWB4532-110T2	11	360	50	100/0.1	0.6	10
APWB4532-220T2	22	310	50	100/0.1	1.0	10
APWB4532-510T2	51	230	50	100/0.1	1.0	10
APWB4532-101T2	100	200	50	100/0.1	2.0	10
APWB4532-201T2	200	100	50	100/0.1	4.5	10

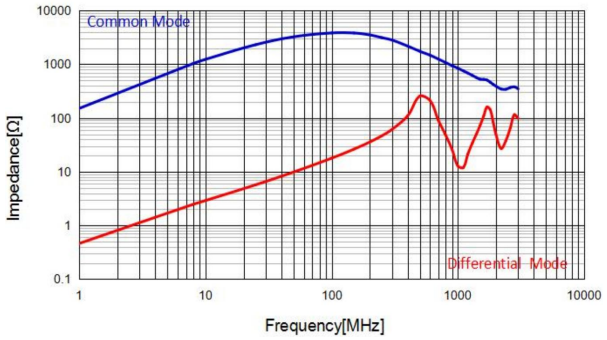
- Rating DC current: Temperature rise(△T) is 40℃ approximately at Irms.
- Storage temp.: - 10℃ ~ +40℃ R.H.: 65% Max.
- Moisture sensitivity level (MSL) : 2

ELECTRICAL CHARACTERISTIC CURVE

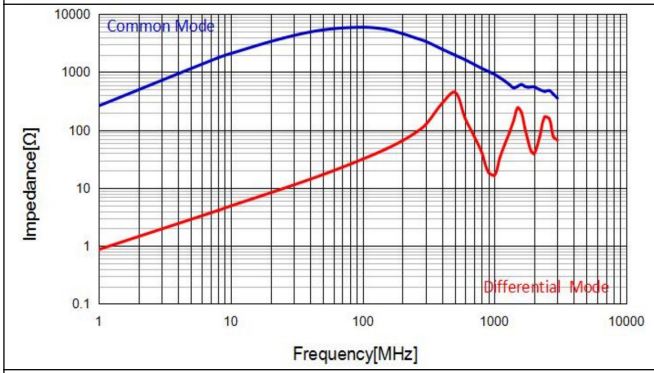
APWB3225-110T2



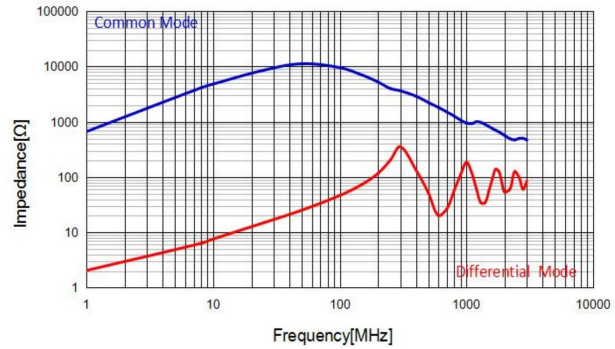
APWB3225-220T2



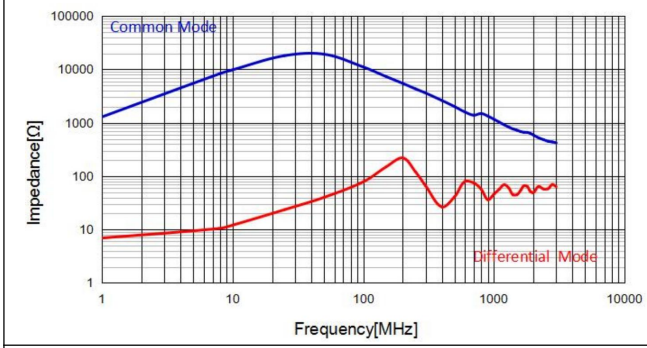
APWB3225-510T2



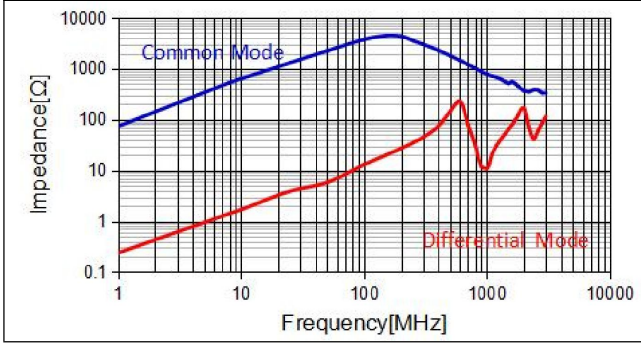
APWB3225-101T2



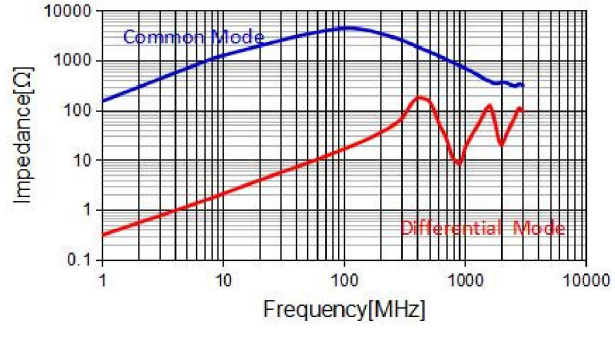
APWB3225-201T2



APWB4532-110T2

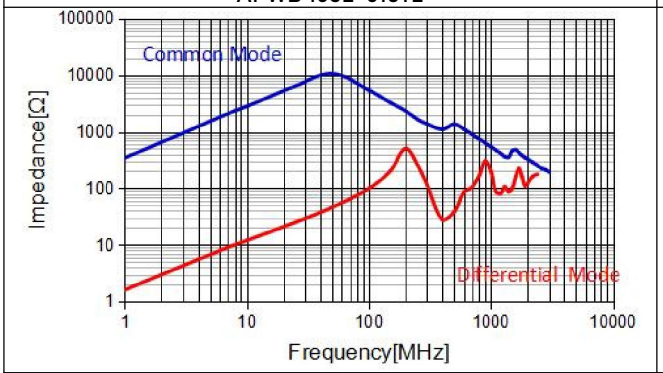


APWB4532-220T2

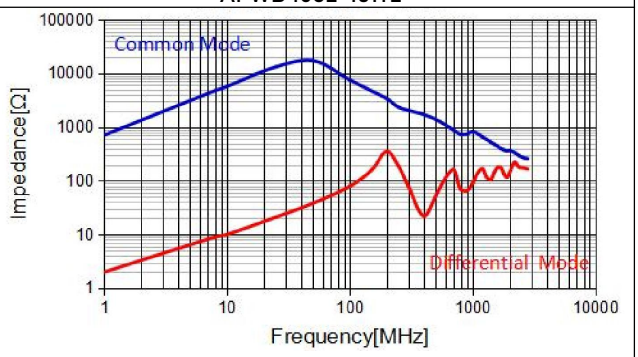


ELECTRICAL CHARACTERISTIC CURVE

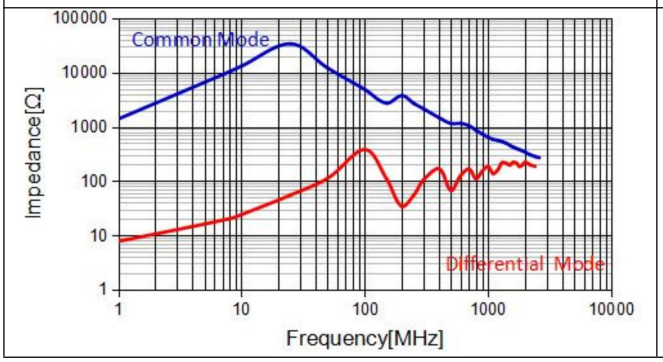
APWB4532-510T2



APWB4532-101T2



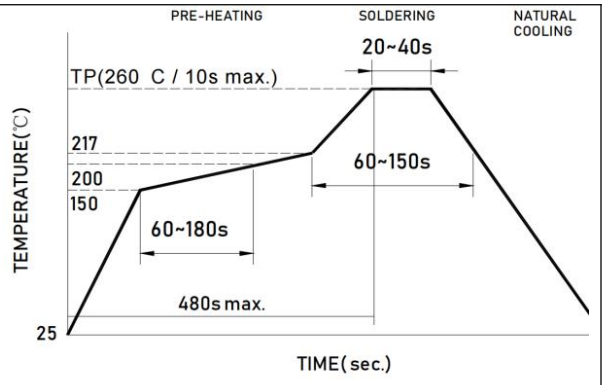
APWB4532-201T2



SOLDERING CONDITIONS

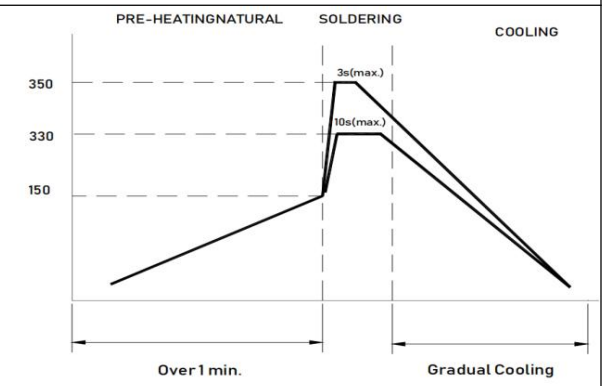
Re-flow Soldering

- Preheat circuit and products to 150 ℃
- 260 ℃ tip temperature (max)
- Reflow times: no more than 2 times
- Solder paste thickness: the best 0.08mm is ,but max is 0.1mm



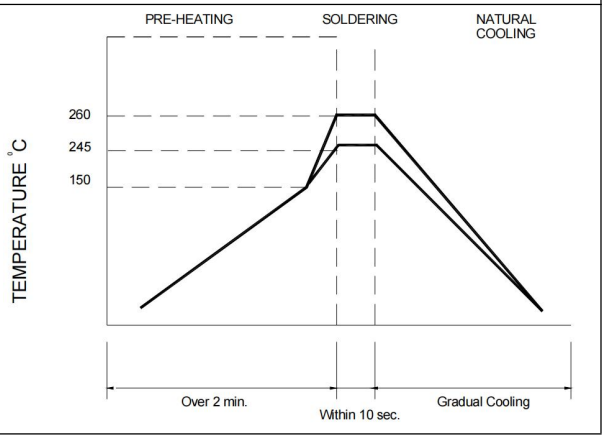
Hand Soldering

- Use a 20 watt soldering iron with tip diameter of 1.0mm.
- Limit soldering time to 3 sec.



Wave Soldering

- Never contact the ceramic with the iron tip.
- 1.0mm tip diameter (max).



Note:
This series product is not applies in automotive or related products. Otherwise, we will shall not bear than the resulting all the problems of quality and responsibility.

Please be sure to request approval specifications that provide further details of the products. Kindly not 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 APV approval.