

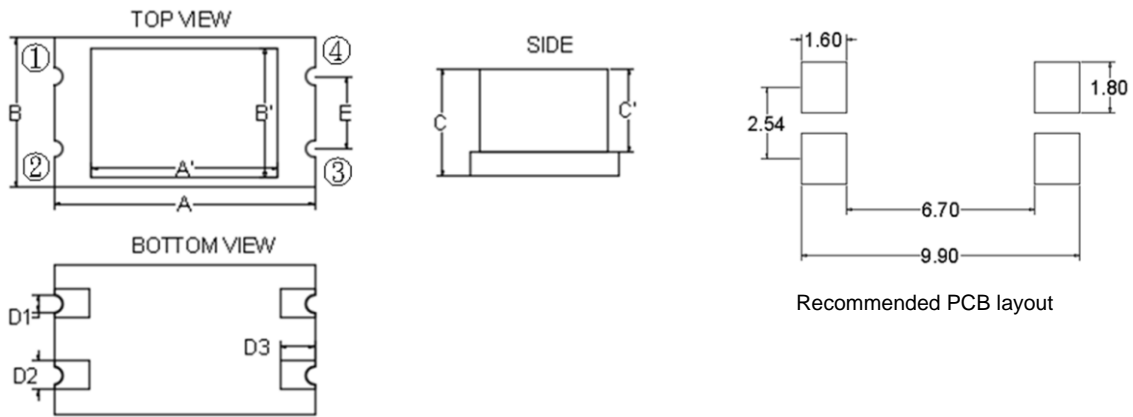
1. Part No. Expression:

WAEZ46101-RL-10

(a) (b) (c) (d) (e)(f) (g)

- (a) Series Code
- (b) Dimension Code
- (c) Internal Controlled Number
- (d) Impedance Code
- (e) Packaging Code
- (f) Current Code
- (g) Standard Code

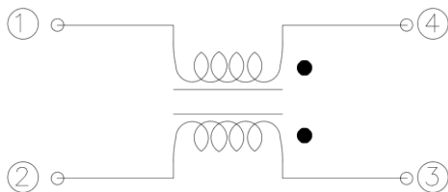
2. Configuration & Dimensions:



Unit: mm

Series	A	A'	B	B'	C	C'	D1	D2	D3	E
WAEZ44	9.10±0.2	4.50±0.2	5.17±0.2	3.20±0.2	3.90±0.2	2.80±0.2	0.60±0.1	1.00±0.1	1.20±0.1	2.50±0.2
WAEZ46	9.10±0.2	6.50±0.3	5.17±0.2	4.50±0.2	3.80±0.2	2.70±0.2	0.60±0.1	1.00±0.1	1.20±0.1	2.50±0.2

3. Schematic:

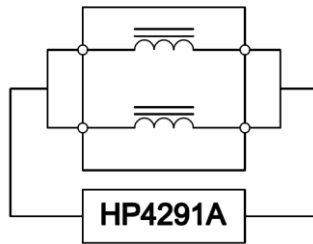


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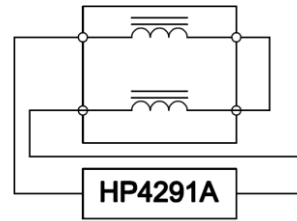


4. Measuring Circuits:

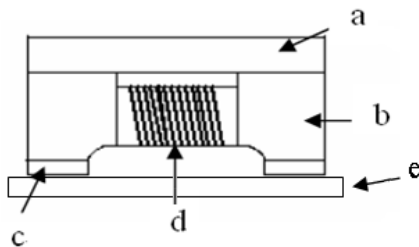
Common mode



Differential mode



5. Material List:



- (a) Upper Plate
- (b) Core
- (c) Termination
- (d) Wire
- (e) PCB

6. General Specification:

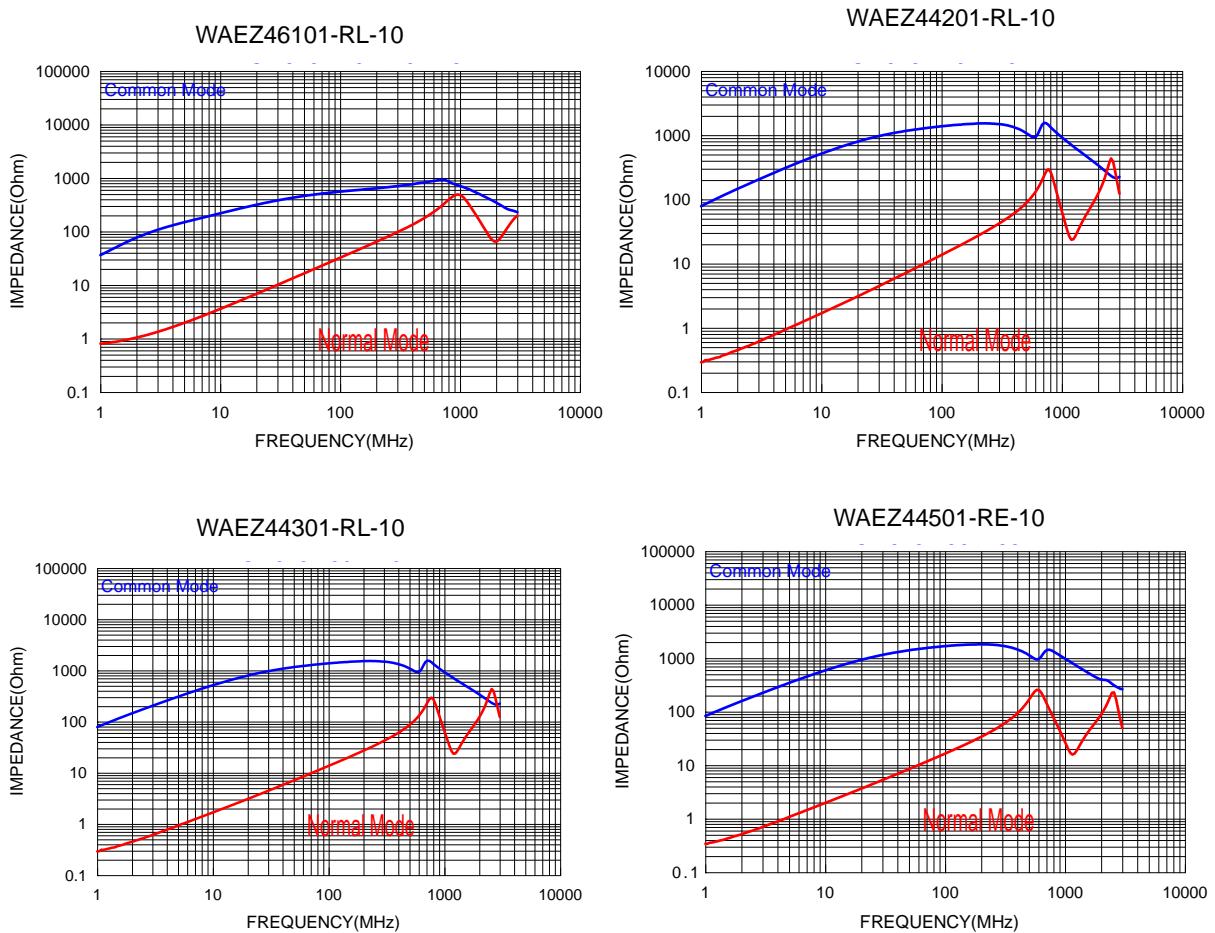
- (a) Operating Temp. : -25°C to +105°C (Including self - temperature rise).
- (b) Storage Temp. : -40°C to +125°C (on board).
- (c) Irms. : Based on temperature rise (ΔT : 40°C) Max.
- (d) Storage Condition (Component in its packaging)
 - i) Temperature: Less than 40°C
 - ii) Humidity : 60% RH

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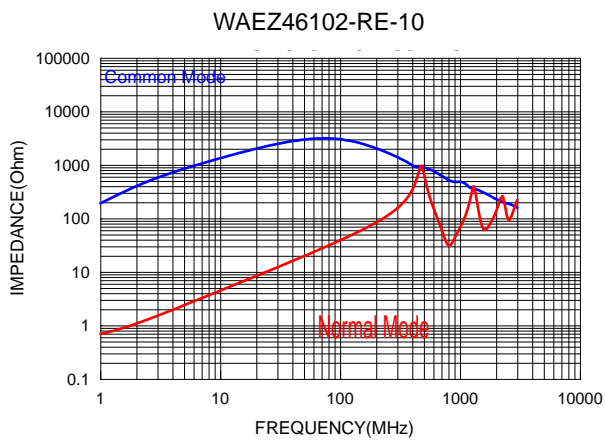
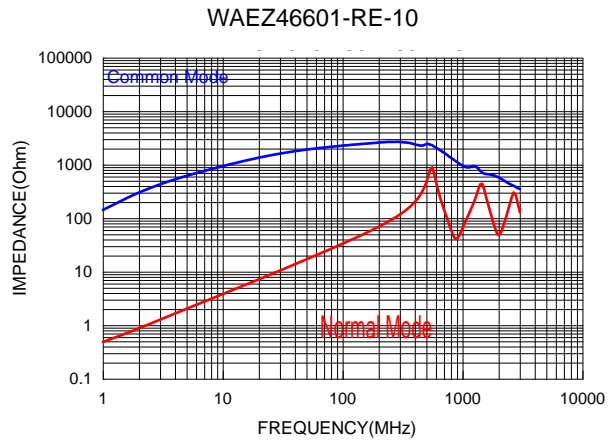
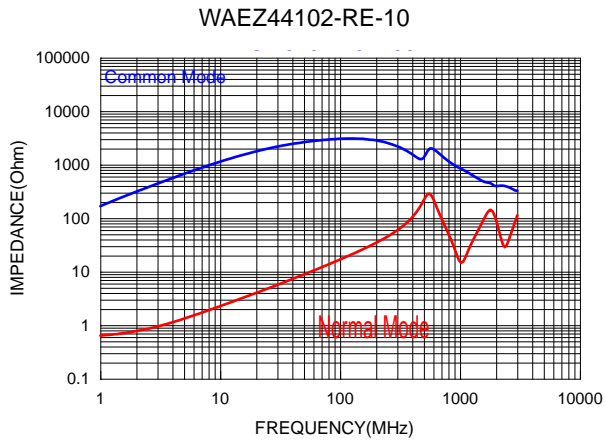
7. Electrical Characteristics:

Part Number	Common Mode Impedance (Ω)		Test Frequency (MHz)	DCR (Ω) Max.	Rated Current (A) Max.	Rated Volt. (Vdc) Max.	Withstand Volt. (Vdc) Max.	IR (MΩ) Min.
	Min.	Typ.						
WAEZ46101-RL-10	100	-	20 to 100	0.10	2.00	50	250	100
WAEZ44201-RL-10	200	-	20 to 300	0.12	2.00	50	125	100
WAEZ44301-RL-10	300	-	6 to 20	0.12	2.00	50	125	100
WAEZ44501-RE-10	500	1000	10	0.15	0.50	80	200	100
WAEZ44102-RE-10	1000	2000	10	0.25	0.50	80	200	100
WAEZ46601-RE-10	600	1000	10	0.25	0.50	80	200	100
WAEZ46102-RE-10	1000	2000	10	0.30	0.50	80	200	100

8. Characteristics Curves:



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9. Soldering:

Mildly activated rosin fluxes are preferred. Our terminations are suitable for all re-flow soldering systems. If hand soldering cannot be avoided, the preferred technique is the utilization of hot air soldering tools.

9-1 Solder Re-flow

Recommended temperature profiles for re-flow soldering in Figure 1.

9-2 Soldering Iron (Figure 2)

Products attachment with soldering iron is discouraged due to the inherent process control limitations. In the event that a soldering iron must be employed the following precautions are recommended.

Note :

- Preheat circuit and products to 150°C.
- 350°C tip temperature (Max.)
- Never contact the ceramic with the iron tip
- 1.0mm tip diameter (Max.)
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 4~5 sec.

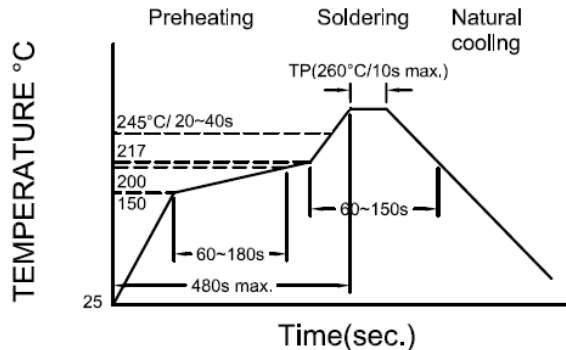


Figure 1. : Re-flow Soldering time
3 times Max.

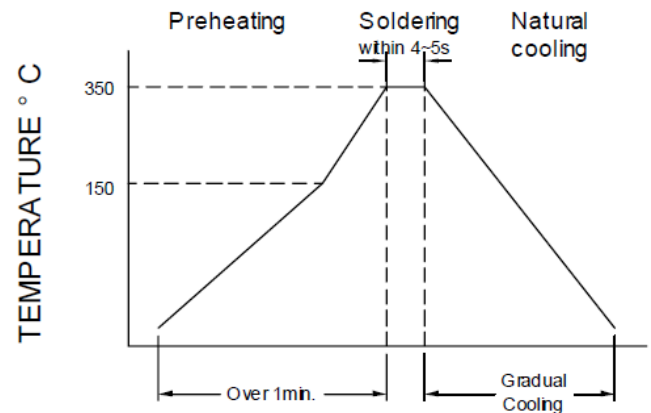
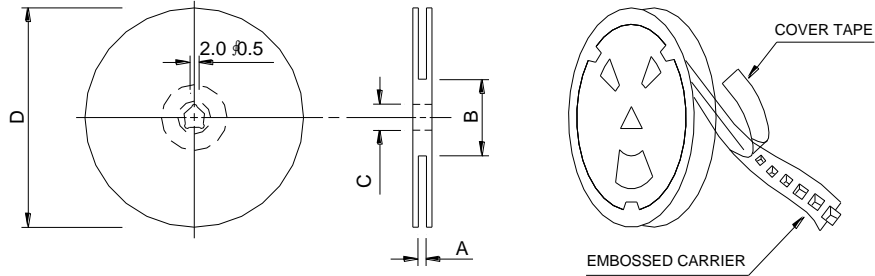


Figure 2. : Iron Soldering time
1 times Max.

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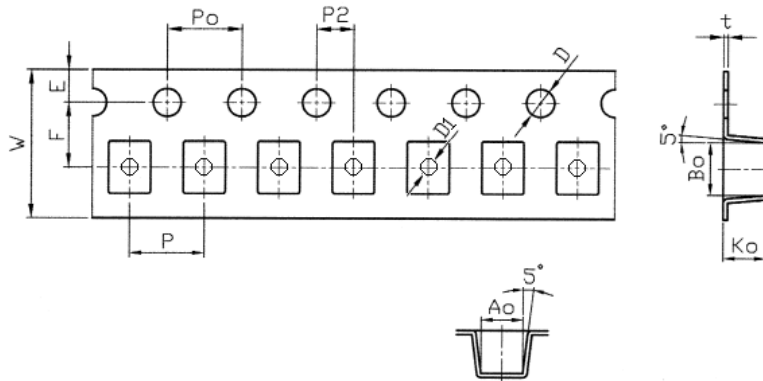
10. Packaging Information:

10-1 Reel Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)
13"x24mm	24.6±0.5	99.5±1.0	13.5±0.5	330±1.0

10-2 Tape Dimension



Size	P(mm)	Po(mm)	P2(mm)	Bo(mm)	Ao(mm)	Ko(mm)
	12.00±0.10	4.00±0.10	2.00±0.10	9.40±0.10	5.50±0.10	3.90±0.10
WAEZ	D(mm)	D1(mm)	E(mm)	F(mm)	W(mm)	t(mm)
	1.50 +0.1/-0	1.50±0.10	1.75±0.10	11.5±0.10	24.0 +0.30/-0.1	0.35±0.05

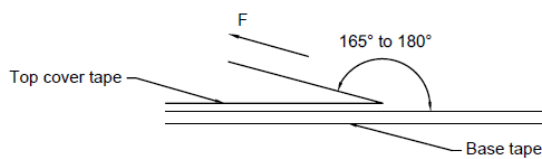
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10-3 Packaging Quantity

Chip Size	WAEZ
Chip/Reel	1000

10-4 Tearing Off Force



The force for tearing off cover tape is 10 to 130 grams in the arrow direction under the following conditions.

Room Temp. (°C)	Room Humidity (%)	Room atm (hPa)	Tearing Speed mm/min
5~35	45~85	860~1060	300

Application Notice:

1. Storage Conditions:

To maintain the solderability of terminal electrodes:

- a) Recommended products should be used within 12 months from the time of delivery.
- b) The packaging material should be kept where no chlorine or sulfur exists in the air.

2. Transportation:

- a) Products should be handled with care to avoid damage or contamination from perspiration and skin oils.
- b) Vacuum pick up is strongly recommended for individual components.
- c) Bulk handling should ensure that abrasion and mechanical shock are minimized.

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