

PRODUCT SPECIFICATION

SPEC. NO: D-2603-06

DATE: Mar.3,2026

CUSTOMER'S PRODUCT NAME:

EMTEK PRODUCT NAME:

BWWP404030470M00

THIS SPECIFICATION IS:

- ☐ FULLY ACCEPTED
- ☐ DENIED
- ☐ ACCEPTED UNDER THE FOLLOWING CONDITIONS



SIGNATURE: _____ DATE: _____

NAME(PRINT): _____

TITLE: _____

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EMTEK CO., LTD.

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1. Features

- Stable Inductance Performance & Low Power Consumption Design
- Reliable Current Carrying Capacity
- Wide Temperature Range Adaptability
- Excellent Environmental and Mechanical Reliability

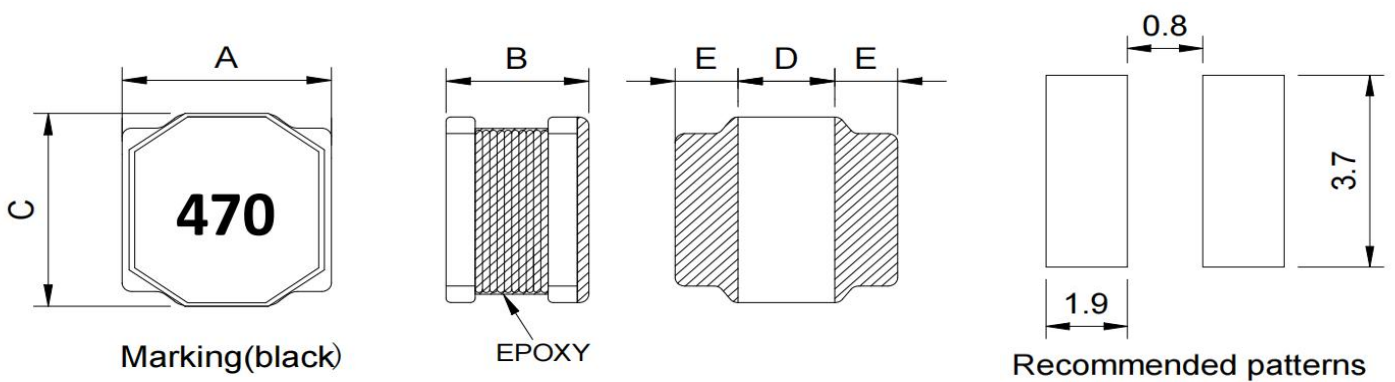
2. Application

- Applicable to power management modules of audio-visual entertainment and home appliance products.
- Used in power supply circuits of computers and office automation equipment.
- Applied to communication equipment and small power supply module circuit systems.
- Suitable for LED lighting, measuring instruments and industrial control board power drive circuits.

3. Part numbering

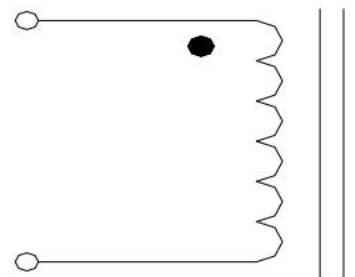
B	-	WWP	-	404030	-	470	-	M	-	00
Grade		Product Series		Dimensions(mm)		Impedance (Ω)		Tolerance		Control code

4. Appearance and Dimensions



Marking: BLACK "XXX"

A	B	C	D	E
4.0 ± 0.2	3.0 Max	4.0 ± 0.2	1.3 ± 0.3	1.35 ± 0.3



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5. Rating

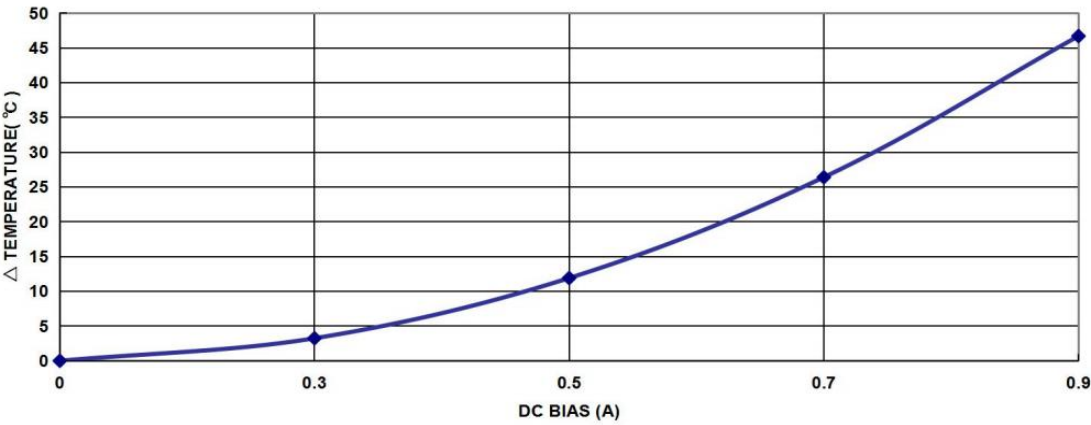
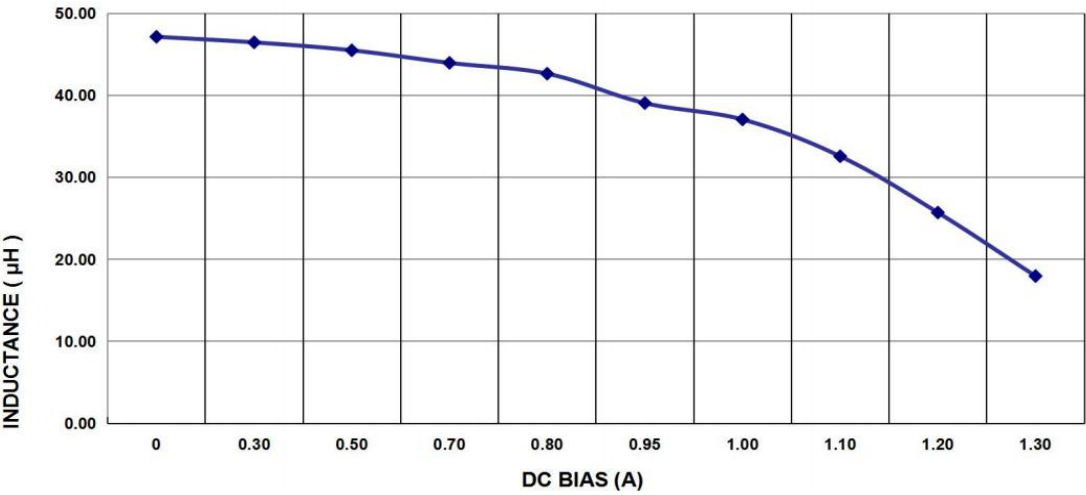
NOTE:

- Operating temperature: -40℃~+125℃

ELECTRICAL CHARACTERISTICS(@ 25℃)

Part No.	Inductance Lo (uH) ± 20 %	Test Frequency (Hz/v)	DC Resistance (mΩ) ± 30 %	Isat (A) TYP △L/L≧-30%	Irms (A) MAX △T≦40℃
BWWP404030470M00	47.0	100KHZ/1V	445.0	0.95	0.72

Typical Eleectrical Characteristics



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6. Reliable Performance

ELECTRONICAL TEST DATA						DIMENSION				
	INDUCTANCE	DCR	L(uH)			A	B	C	D	E
			DC 0.95A							
No	47uH ±20%	445mΩ ±30%	L0A*70% Ref.			4.0±0.2	3.0 Max.	4.0±0.2	1.3±0.3	1.35±0.3
1	43.92	510.25	36.44			4.01	2.87	4.04	1.31	1.35
2	43.91	520.03	36.44			4.02	2.78	3.99	1.30	1.33
3	44.47	500.67	36.85			4.03	2.88	4.05	1.32	1.35
4	45.92	510.14	38.10			4.03	2.85	3.96	1.30	1.35
5	46.05	520.04	38.18			4.02	2.86	3.99	1.30	1.34
6	44.93	510.85	37.27			4.00	2.86	4.02	1.32	1.35
7	46.17	510.93	38.26			4.02	2.85	4.02	1.32	1.35
8	46.28	500.88	38.35			4.06	2.84	4.01	1.30	1.32
9	45.15	510.96	37.43			4.03	2.86	4.01	1.30	1.34
10	46.83	520.07	38.84			4.02	2.85	4.02	1.30	1.35
X	45.36	511.48	37.62			4.02	2.85	4.01	1.31	1.34
R	2.92	19.40	2.41			0.06	0.10	0.09	0.02	0.03
All judge		☒ OK ☐ NG								



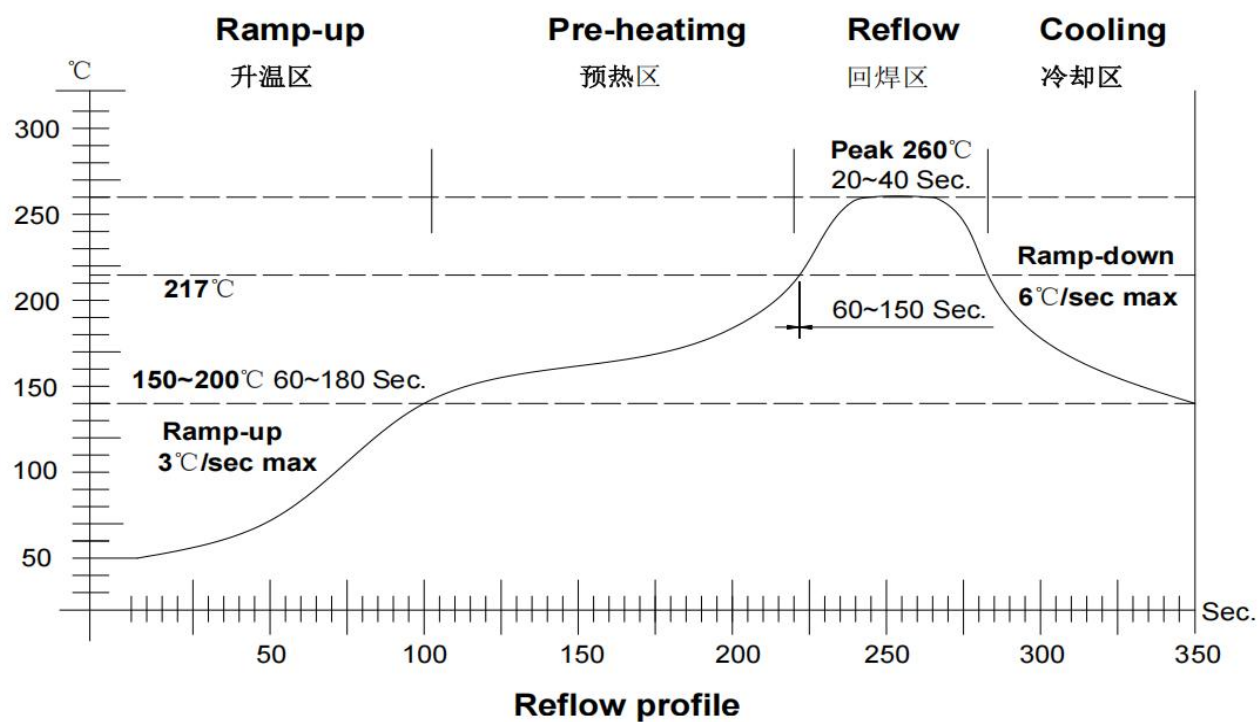
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7.Recommended Soldering Conditions



- 1) Iron soldering power: Max.30W
- 2) Pre-heating: 150°C,1 Minute
- 3) Soldering Tip temperature: 350°C Max.
- 4) Soldering time: 3sec Max.



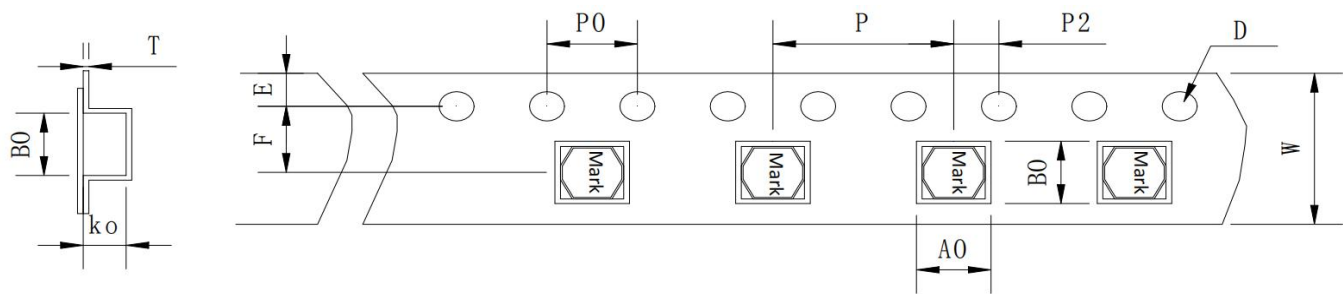
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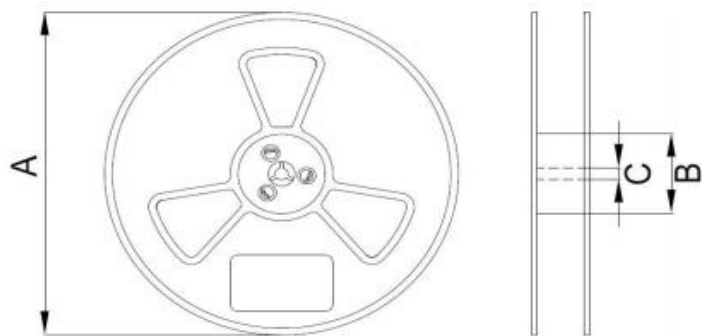
8.Packaging

Carrier Tape (Unit:mm)



W	A0	B0	K0	D	F	E	P	P0	P2	T
12.0 ±0.3	4.3 ±0.1	4.3 ±0.1	3.2 ±0.1	1.5 ±0.1	5.5 ±0.1	1.75 ±0.1	8.0 ±0.15	4.0 ±0.1	2.0 ±0.1	0.4 ±0.05

Reel Dimensions



Item	Dimension
A	330±1
B	100±1
C	13±0.5

QTY

Reel (Pcs) 2000

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9.Storage

(1) Storage period

Use the products within 12 months after delivered. Solderability should be checked if this period is exceeded.

(2) Storage conditions

- Storage temperature: -10℃~40℃
- Storage environment: humidity: RH<70%

(3) Delivery

Care should be taken when transporting or handling product to avoid excessive vibration or mechanical shock.