

Specification of Cjiang products

Customer	
Product Name	High current broadband filter
Customer P/N:	
C iang P/N:	FMDP Series

☒ New Released, ☐ Revised

SPEC No:

REMARK:		
Customer Approval Feedback		

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Version change history

Rev	Date	Description	APPROVED	CHECKED	DRAWN
1.0	2026/4/27	Document formulation	BOND	MIKO	Roy

Caution :

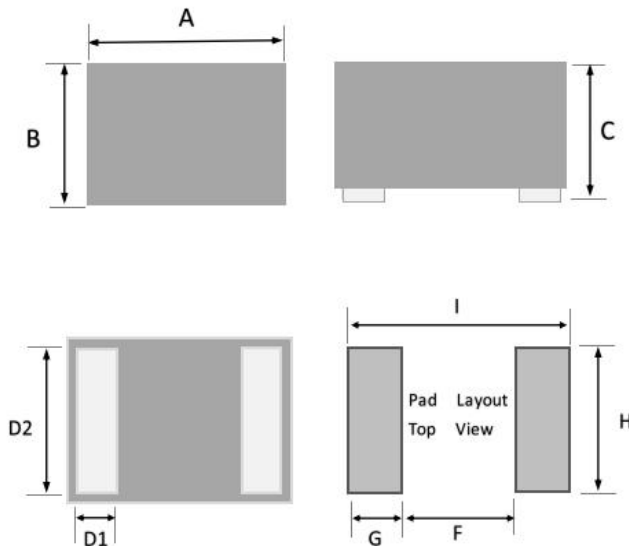
All products listed in this specification are developed, designed and intended for use in general electronics equipment. The products are not designed or Warranted to meet the requirements of the applications listed below, whose performance and/or quality require especially high reliability, or whose failure, malfunction or trouble might directly cause damage to society, person, or property. Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below. Please contact us for more details if you intend to use our products in the following applications.

1. Aircraft equipment.
2. Aerospace equipment.
3. Undersea equipment.
4. nuclear control equipment.
5. military equipment.
6. Power plant equipment.
7. Medical equipment.
8. Transportation equipment (automobiles, trains, ships,etc.)
9. Traffic signal equipment.
10. Disaster prevention / crime prevention equipment.
11. Data-processing equipment.
12. Applications of similar complexity or with reliability requirements comparable to the applications listed in the above.

General Description

1. This specification is applied to FMDP Series High-current broadband filter.
2. Applications: Suppress power supply noise to prevent interference with sensitive high speed digital or RF circuits;
Filter out the high-frequency noise generated by large current switching power supplies Variable Frequency Drives;
DC power rectifiers.
3. Operating Temperature Range : -20 ~ +125 °C (Including self-temperature rise).
Storage condition : Temperature -10 ~ +40 °C, Relative Humidity 40%~60%.

Appearance & Shape



Dimension (Unit:mm)

Series:	A	B	C	D1	D2	F Typ	G Typ	H Typ	I Typ
FMDP3225	3.7±0.2	2.9±0.2	2.6±0.2	0.60±0.1	2.5±0.1	1.9	0.9	3.0	3.7
FMDP4532	4.9±0.2	3.7±0.2	3.1±0.2	0.83±0.1	3.2±0.1	2.55	1.13	3.5	4.8

Part Number

FMDP 3225 D 681 - 3R5 T
| | | | |
A B C D E F

A:Series
B:Dimension
C:Category
D:Impedance
E:Electricity
F:Category Code

Equivalent Circuit



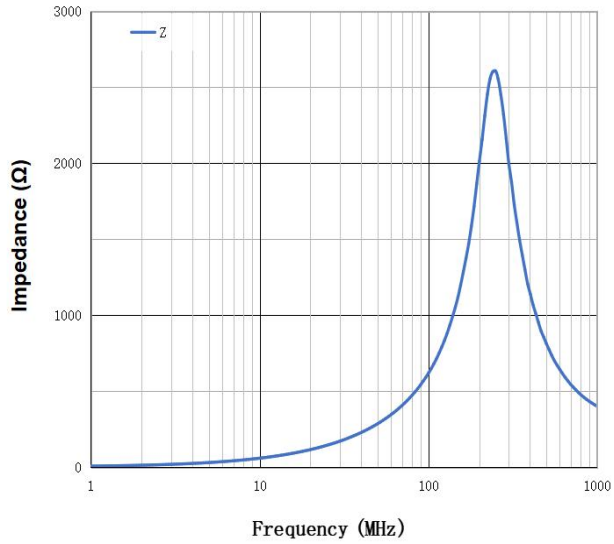
Electrical Characteristics

Part Number	Impedance [30MHz]	Impedance [80MHz]	Impedance [100MHz]	Impedance [300MHz]	Impedance [500MHz]	DC Resistance	Rated Current	Impedance [100MHz] @ Rated Current
Units	(Ω) Min	(Ω) Min	(Ω) ±25%	(Ω) Min	(Ω) Min	(Ω)Max.	(mA)Max.	(Ω) Min
FMDP3225D681-3R5T	100	300	680	1500	700	0.04	3500	480
FMDP4532D161-8R0T	40	100	160	500	350	0.01	8000	115
FMDP4532D681-4R5T	100	400	680	1100	450	0.025	4500	480
FMDP4532D152-4R0T	250	750	1500	900	400	0.04	4000	1050

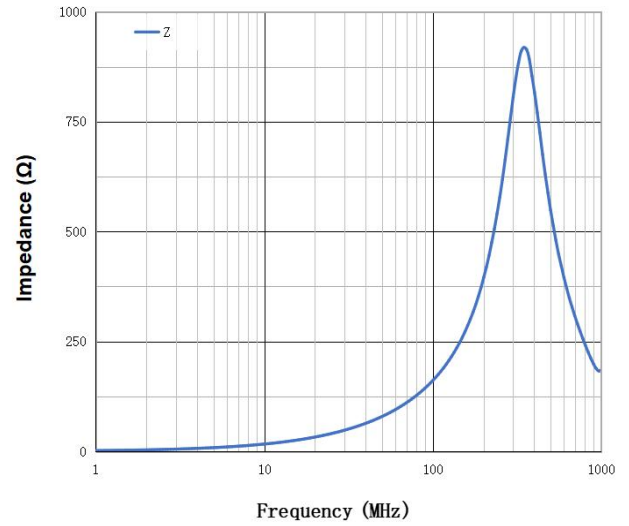
* Rated Current : The value of DC current when product temperature rise is $\Delta T \leq 40^\circ\text{C}$ ($T_a = 25^\circ\text{C}$).
Impedance : The impedance value's characteristics do not vary by more than 30% under the rated current. ($\Delta Z \leq 30\%$).

Curve Frequency(MHz)

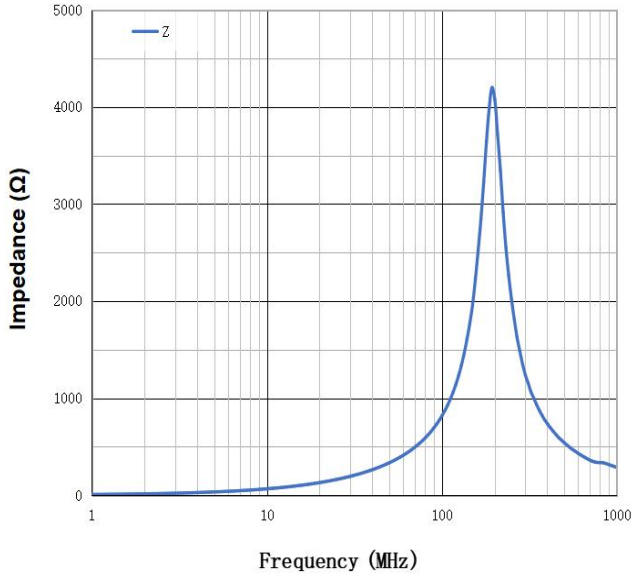
FMDP3225D681-3R5T



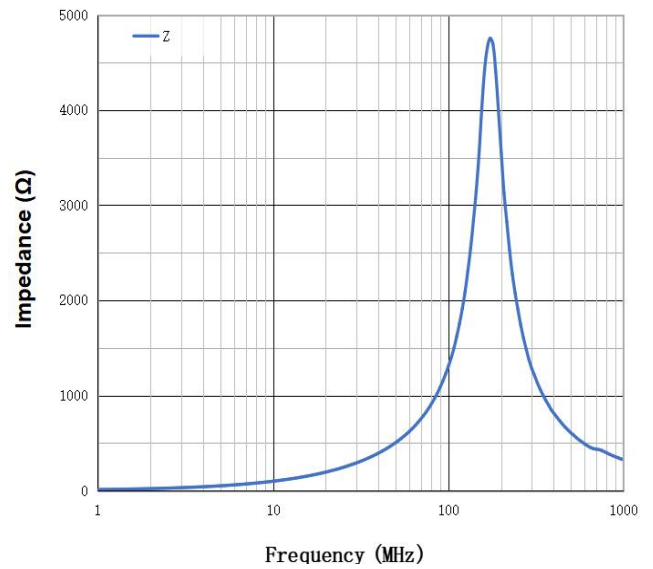
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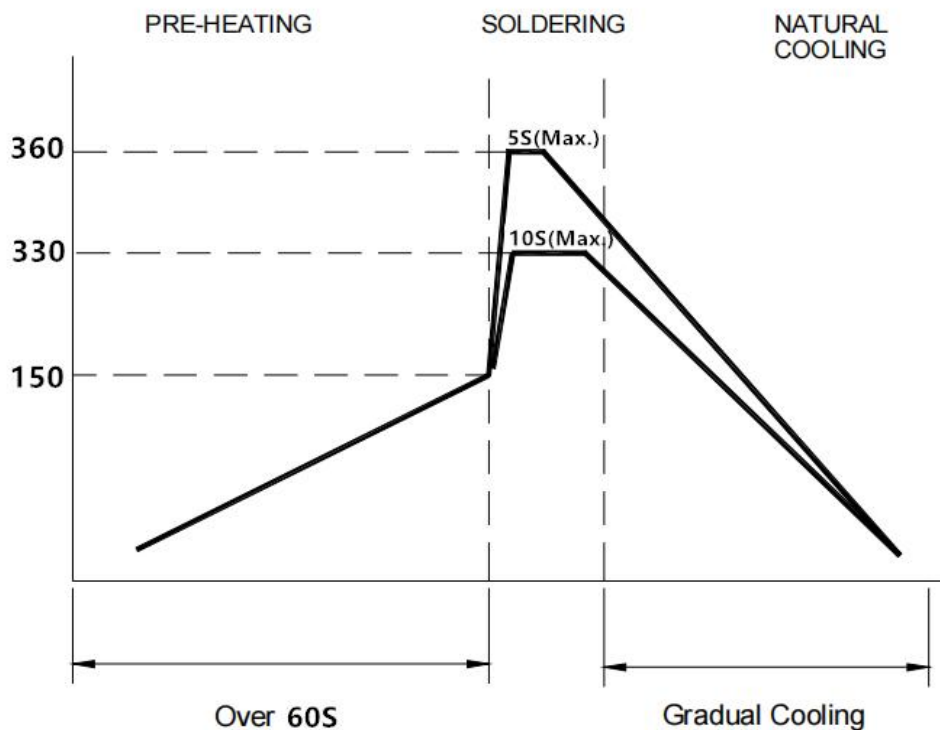
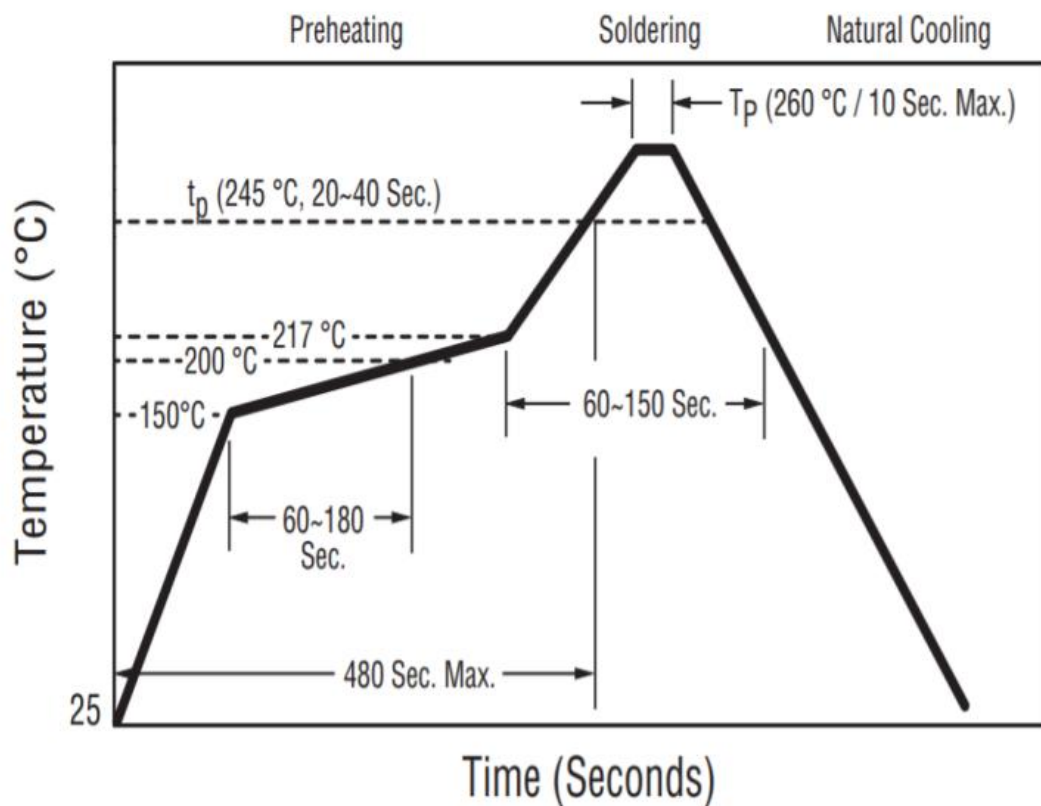
FMDP4532D681-4R5T



FMDP4532D152-4R0T

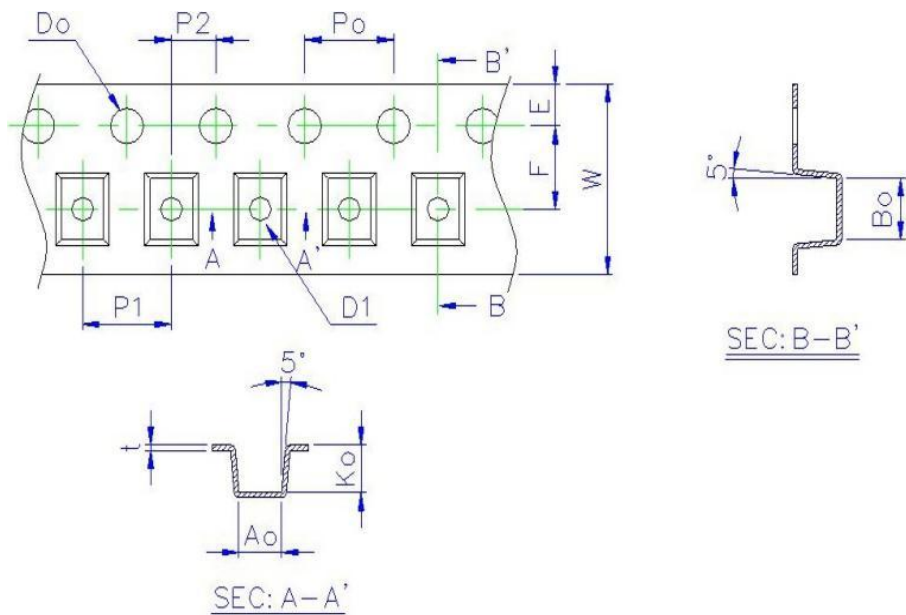


General Reflow Profile & Iron Soldering



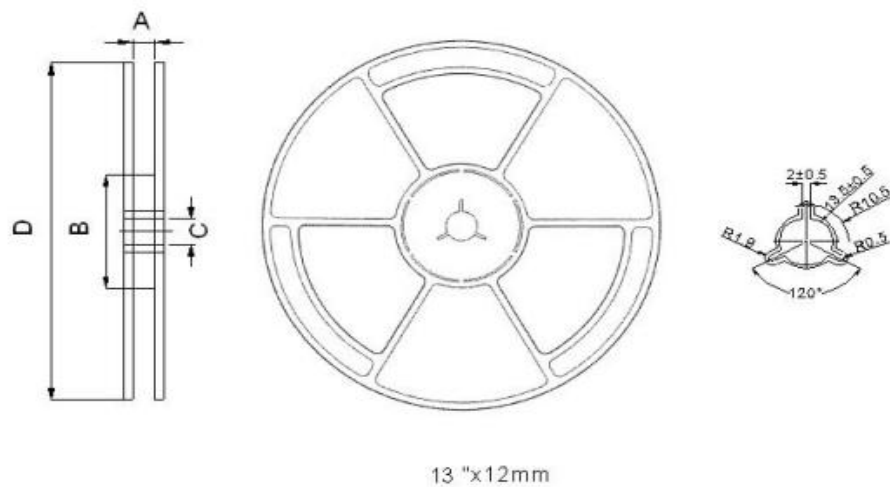
Packaging

(1) Tape Dimensions(Unit:mm)



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
FMDP3225	3.2±0.10	3.9±0.10	3.1±0.10	12.0±0.10	1.75±0.10	5.50±0.05	4.0±0.05	8.0±0.10	1.5±0.05

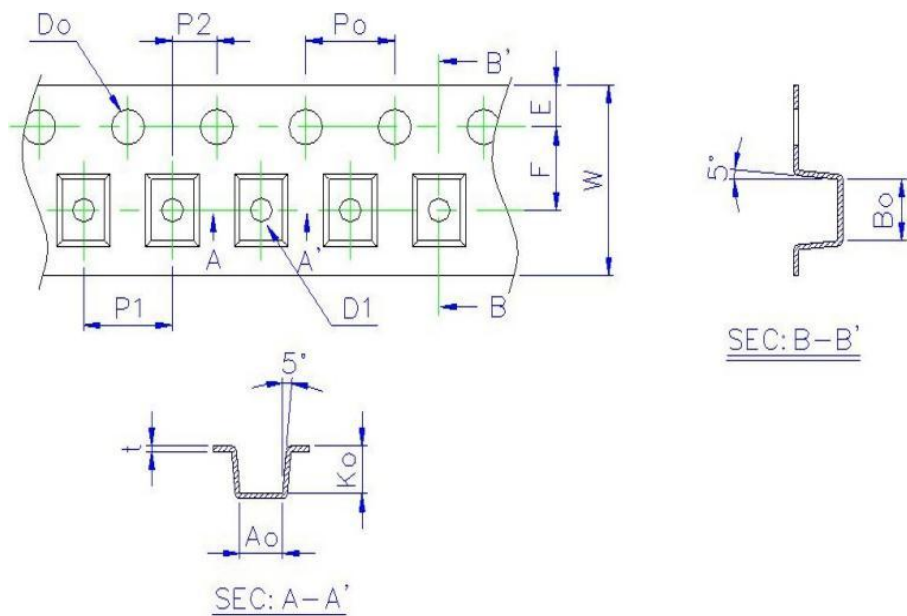
(2) Reel



Type	A(mm)	B(mm)	C(mm)	D(mm)
13"x12mm	13.5 ±0.5	60.0 ±2	13.5 ±0.5	330.0 ±2

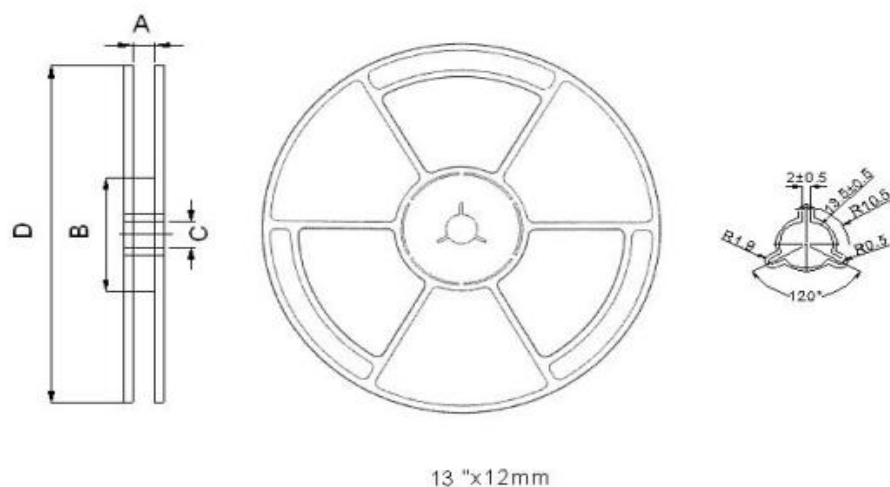
Part No.	Tape	MPQ
FMDP3225	Embossed Tape	2000 Pcs

(1) Tape Dimensions(Unit:mm)



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
FMDP4532	4.1±0.10	5.2±0.10	3.4±0.10	12.0±0.10	1.75±0.10	5.50±0.05	4.0±0.05	8.0±0.10	1.5±0.05

(2) Reel



Type	A(mm)	B(mm)	C(mm)	D(mm)
13"x12mm	13.5 ±0.5	60.0 ±2	13.5 ±0.5	330.0 ±2

Part No.	Tape	MPQ
FMDP4532	Embossed Tape	2000 Pcs