

SPECIFICATION FOR APPROVAL

REF : 20100118-A

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PROD.	POWER INDUCTOR	ABC'S DWG NO.	PV1823□□□□L□-□□□
NAME		ABC'S ITEM NO.	

I . CONFIGURATION & DIMENSIONS :

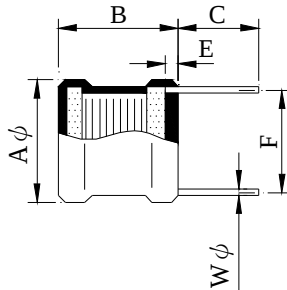


Fig : A

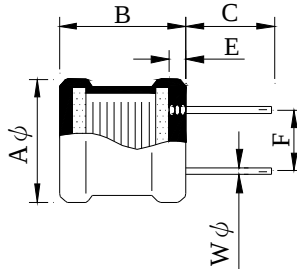
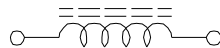


Fig : B

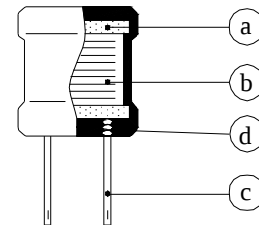
A	: 18.0 max.	m/m
B	: 23.0 max.	m/m
C	: 15.0±5.0	m/m
E	: 3.0 max.	m/m

II . SCHEMATIC DIAGRAM :



III . MATERIALS :

- a . Core : Ferrite DR core
- b . Wire : Enamelled copper wire
- c . Lead : Sn/Ag/Cu
- d . Tube : Shrinkable tube 125℃
- e . Remark : Products comply with RoHS' requirements



IV . GENERAL SPECIFICATION :

- a . The inductance drop at rated current is 10% max.
- b . Temp. rise : 45℃ max. at ratted current.
- c . Storage temp. : -40~+105℃
- d . Operating temp. : -40 ~ +85℃

V . ELECTRICAL CHARACTERISTICS :

DWG No.	Inductance (μ H)	Test Freq. (Hz)	RDC (Ω) max.	IDC (A) max.	Dimensions		Fig
					F m/m	W m/m	
PV1823100ML□-□□□	10 ±20%	1K	0.009	8.0	14.0	1.2	A
PV1823250KL□-□□□	25 ±10%	1K	0.022	6.0	14.0	1.0	A
PV1823500KL□-□□□	50 ±10%	1K	0.036	4.0	14.0	1.0	A
PV1823101KL□-□□□	100 ±10%	1K	0.090	3.0	9.0	1.0	B
PV1823251KL□-□□□	250 ±10%	1K	0.150	2.0	9.0	1.0	B
PV1823501KL□-□□□	500 ±10%	1K	0.300	1.2	9.0	1.0	B
PV1823102KL□-□□□	1000 ±10%	1K	0.600	1.0	9.0	1.0	B

1). □ : Packaging information... ☒ Bulk

2). "- □□□ " : Reference code

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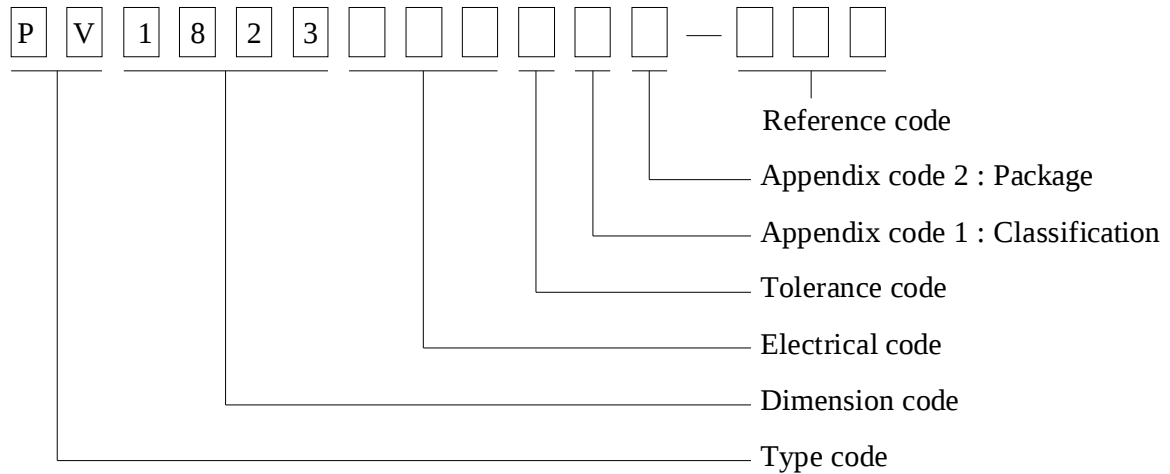
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VI . DWGING NUMBER EXPRESSION :



Appendix code 1 : Product Classification

L : Lead Free Standard products comply with RoHS' requirements

1 ~ 9 : Lead Free Special products comply with RoHS' requirements

Appendix code 2 : Package Information

Code	Inner package	Inner package Q'TY	Remark
A	Tray	45 pcs	

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VII . UL CARD :

OBMW2		September 8, 2000	
Magnet Wire-Component			
JUNG SHING WIRE CO LTD		E174837	
231 CHUNG CHENG RD, SEC 3 JEN-TEH HSIANG, TAINAN HSIEN TAIWAN			

Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
AIW	—	Polyamideimide	—	—	MW81-C	220
CFUEWB	—	Polyurethane	—	—	MW75C	130
EIAIW	—	Polyesterimide	Polyamideimide	—	MW35C	200
EILOCKY	—	Polyesterimide	Polyamide	—	—	180
EILOCKW	—	Polyesterimide	Modified Epoxy	—	—	200
EIW	—	Polyesterimide	—	—	—	220
EIW-2	—	Polyesterimide	—	—	MW74-C	200
FL.EILOCKY	—	Modified Polyester	Polyamide	—	—	155
LSFFW	—	Polyurethane	—	—	MW79-C	155
LSUEW	—	Polyurethane	—	—	—	130
PEW	—	Polyester	—	—	—	155
PEY	—	Polyester	Nylon	—	MW24-C	155
SF.FLW	—	Modified Polyester	—	—	MW26C	155
SF.EIW	—	Polyesterimide	—	—	MW77C	180
SF.BY@	—	Modified Polyester	Nylon	—	MW27-C	155
SF.FLY@	—	Modified Polyester	Nylon	—	MW27-C	155
SF.BLOCKBS	—	Modified Polyester	Modified Polyamide	—	—	155
SF.EILOCKY#	—	Polyesterimide	Polyamide	—	—	180
SF.EILOCKBS	—	Polyesterimide	Modified Polyamide	—	—	180
SF.BW@	—	Modified Polyester	—	—	MW26C	155
SFFW	—	Polyurethane	—	—	MW79	155

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Mtl Dsg	Mark Dsg	BC	Coat Typ	OC	ANSI Type	Temp Class
SFFY	—	Polyurethane	Polyamide	—	MW80C	155
UEW-1	—	Polyurethane	—	—	MW2-C	105
UEW-2	—	Polyurethane	—	—	—	130
UEW-4	—	Polyurethane	—	—	MW75C	130
UEY	—	Polyurethane	Nylon	—	MW28-C	130
UEY-2	—	Polyurethane	Polyamide	—	MW28-C	130

@-May be suffixed by LZ; # - May be suffixed by LZ, EL or LZL.
LZ - Signifies magnd wires twisted together; EL - signifies base coated magnet wire laid parallel with top coat applied overall; LZL - signifies base coated magnet wire twisted together and covered with top coat overall.

Marking: Company name or trademarks  or 榮星電線, material designation or marked designation on packaed or reel, and Recognized Component Mark.

See General Information Preceding These Recognitions
For use only in equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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