

		SPECIFICATION (REVISIONS)		TYPE PFN1318	
SYMBOL	DATE	ISSUE No.	REVISIONS	CLIENT	

NOTE : THIS SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE FOR IMPROVEMENT. IT IS REQUESTED THAT CONFIRMATION IS MADE WHEN ORDERING.	SPEC. NO. S - 074 - 6182 1 / 3
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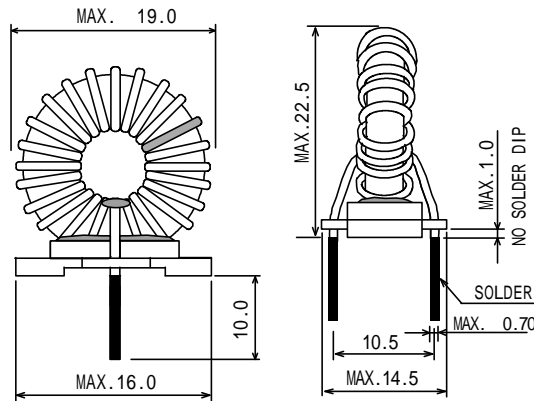


# SPECIFICATION

TYPE PFN1318
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1 . SCOPE  
REF. TO S-074-1510.

2 . DIMENSION ( UNIT mm )



● ADHESIVE

- \* TERMINAL LENGTH IS NOT INCLUDED SOLDER TIP.
- \* PIN PITCH TO BE MEASURED FROM THE ROOT OF TERMINAL.
- \* DIMENSIONS WITHOUT TOLERANCE ARE APPROX.

3 . ELECTRICAL CHARACTERISTICS

NO.	PART NO.	INDUCTANCE ( $\mu$ H) [MIN.] 1	D.C.R.(m ) [MAX.] (at 20 )	IMPEDANCE [MIN.]			RATED CURRENT (A) 2	SUMIDA CODE
				at 7MHz 770	at 10MHz 1170	at 20MHz 940		
01	PFN1318-NM30A	21	41	at 7MHz 770	at 10MHz 1170	at 20MHz 940	3.7	5344-0002
02	PFN1318-NM41A	39	57	at 3MHz 740	at 5MHz 1560	at 10MHz 1340	3.1	5344-0003
03	PFN1318-NM51A	60	71	at 3MHz 1400	at 4MHz 2480	at 6MHz 2680	2.6	5344-0004

1 MEASURING FREQUENCY at 1kHz

2 THE RATED CURRENT INDICATES THE CURRENT WHEN THE TEMPERATURE OF COIL IS INCREASED BY 40 (Ta=20 ).

MADE: 18th, Jul., 2002			PART NAME	REF. TO ITEM 3. ELECTRICAL CHARACTERISTICS		
CHK.	CHK.	DRG.	SUMIDA CODE	5344		
WEI SHAOHONG	LIAO XI	ZHANG HONGWEI LU	SAMPLE NO.	5344 - T007		SPEC. NO. <b>S - 074 - 6182</b> 2 / 3
			FIRST ISSUE	_____		



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TYPE PFN1318
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## 4 . GENERAL CHARACTERISTICS

- 4-1.STORAGE TEMPERATURE RANGE : - 40 ~ + 85
- 4-2.OPERATING TEMPERATURE RANGE: - 40 ~ + 85  
(INCULDING COIL TEMPERATURE RISE DUE TO SELF-GENERATED HEAT)
- 4-3.EXTERNAL APPEARANCE : NO EXTERNAL DEFECTS CAN BE FOUND IN THE VISUAL INSPECTION.
- 4-4. RESISTANCE TO SOLDERING HEAT : NO DISTINGUISHED STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND AFTER 1.5±0.5mm HIGH BOTTOM OF ALL THE TERMINALS ARE IMMERSSED IN THE MELTED SOLDER OF 260±5 FOR 5±0.5 SECONDS.
- 4-5.INSULATING RESISTANCE: THE INSULATION RESISTANCE SHOULD BE OVER 100M WHEN D.C. 100V IS APPLIED TO THE COIL-CORE, MEANWHILE NO STRUCTURE AND ELECTRIC DEFECTS SHOULD BE FOUND IN 1 MINUTE.
- 4-6.HUMIDITY TEST : INDUCTANCE DEVIATION IS WITHIN ± % AFTER 96±4 HOURS TEST UNDER THE CONDITION OF RELATIVE HUMIDITY OF 90~95% AND TEMPERATURE OF 40±2 , AND 1 HOUR STORAGE UNDER ROOM AMBIENT CONDITIONS AFTER THE DEVICE IS WIPED WITH DRY CLOTH.
- 4-7.VIBRATION TEST : INDUCTANCE DEVIATION IS WITHIN ± % AFTER 1 HOUR SWEEPING VIBRATION IN EACH THREE DIRECTIONS, NAMELY, FORWARD AND BACKWARD, UP AND DOWN, RIGHT AND LEFT. THE FREQUENCY IS 10~55~10Hz AND THE AMPLITUDE OF 1 MINUTE CYCLE IS 1.5mm PP.
- 4-8.SHOCK TEST : INDUCTANCE DEVIATION IS WITHIN ± % AFTER THE TEST WITH GUM-BLOCK SHOCK TESTING MACHINE, ONCE IN EACH OF THE THREE PERPENDICULAR AXIS DIRECTIONS. THE SHOCK ACCELERATION IS 981m/s<sup>2</sup>.

## 5 . NOTE

- \* LEAD BENDS CAUSED BY DELIVERY AND HANDLING ARE NOT ENTITLED FOR CLAIM.
- \* IT SHOULD BE USED ONLY FOR THE COUNTERMEASURE OF NOISE.
- \* BECAUSE OF THE LARGE CORE LOSS, IT COULD NOT BE USED AS CHOKE COIL, OTHERWISE SMOKE AND FIRE MAY PRODUCE.

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