

APPROVAL SHEET

(RoHS)

CUSTOMER : Mag Layers, USA
CUSTOMER'S PART NO :
DESCRIPTION :
PART NO. : MRT-5026-330M-E-RU
DATE : 2006/08/16
AUTHORIZED BY :

	FULLY APPROVED	PARTIALLY APPROVED	REJECTED
SIGN			
SUGGESTION			

美磊科技股份有限公司

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MAG.LAYERS

COIL SPECIFICATION

DESCRIPTION	POWER INDUCTORS	DRAW NO	951871		
		SPEC (TYPE)	MRT-5026-330M-E-RU	REV	00

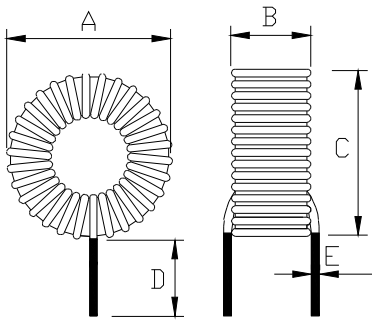
■ PRODUCT IDENTIFICATION

① ② ③④ ⑤ ⑥⑦

MRT- 5026-330M-E-RU

- ① Product Code
- ② Dimensions Code
- ③ Inductance Code
- ④ Tolerance Code
- ⑤ Edition
- ⑥ Lead Free
- ⑦ MLU

■ SHAPE&DIMENSION (mm)



A	15.0±1.0
B	7.50±1.0
C	15.0±1.0
D	6.0±0.5
E	0.8±0.1

■ SCHEMATIC



■ ELECTRICAL CHARACTERISTICS

- TEST FREQUENCY : 1KHz/ 0.25V
- INDUCTANCE : 33 μ H±20%
- D.C.R : 0.025 Ω Max.
- RATED DC CURRENT : 3 A Max.
- INSULATION RESISTANCE : DC 500V/100M Ω Min.(BETWEEN CORE AND WINDING)
- WITHSTAND VOLTAGE : AC 500V/1Min. (BETWEEN CORE AND WINDING)
- OPERATION TEMPERATURE : -25 $^{\circ}$ C ~85 $^{\circ}$ C

■ PACKING

BOX



COIL SPECIFICATION

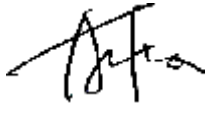
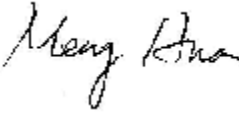

DESCRIPTION	DATA SHEET	DRAW NO	951871		
		SPEC (TYPE)	MRT-5026-330M-E-RU	REV	00

■ TEST INSTRUMENT

- 1. HP 4284A LCR METER
- 2. HP 42841A CURRENT SOURCE
- 3. ZENTECH 502 AC LOW-OHM METER

ELECTRICAL CHARACTERISTICS

MEAS.ITEM	L(μ H)	RDC(Ω)	Isat (A)			
TEST FREQ.	1KHz/0.25V	Max.	At 3.0			
YOUR						
SPEC.SUGGES	33 \pm 20%	0.025 ⁺⁰	L1(μ H)			
1	29.92	0.019	22.24			
2	30.45	0.019	22.09			
3	30.55	0.019	21.92			
4	30.34	0.019	22.14			
5	29.55	0.019	22.41			
6	29.60	0.019	21.55			
7	28.67	0.019	22.14			
8	29.33	0.019	21.82			
9	30.59	0.019	23.33			
10	30.97	0.019	22.45			

APPROVED BY	CHECKED BY	DRAWN BY
		



COIL SPECIFICATION

DESCRIPTION	GENERAL CHARACTERISTIC	DRAW NO	951871		
		SPEC (TYPE)	MRT-5026-330M-E-RU	REV	00

●MECHANICAL PERFORMANCE TEST

SOLDERABILITY	MORE THAN 90% OF THE TERMINAL LEAD SHALL BE COVERED WITH FRESH SOLDER	SOLDER:H63A(EUTECTIC SOLDER) SOLDER TEMPERATURE:230°C±5°C FLUX:ROSIN DIP TIME:3±1 SECONDS		
SOLDERING HEAT RESISTANCE	THE DIP SHALL NOT CRACK MORE THAN 75% OF THE TERMINAL LEADE SHALL BE COVERED WITH SOLDER	SOLDER:H63A(EUTECTIC SOLDER) SOLDER TEMPERATURE:263°C±5°C FLUX:ROSIN DIP TIME:10±1 SECONDS		
BENDING STRENGTH	THE FERRITE SHALL NOT BE. DAMAGED BY FORCES APPLIED ON THE RIGHT. TERMINAL TENSILE STRENGTH (TTS) TERMINAL BENDING STRENGTH(TBS)	TYPE	T.T.S Kg (Min)	T.B.S Kg (Min)
		MCD-SERIES	1.0	0.3
		MDC-SERIES	1.0	0.3
		MRT-SERIES	1.0	0.3
		MSCD-SERIE	0.5	0.15

●CLIMATIC TEST

THERMAL SHOCK (TEMPERATURE CYCLE)	NO MECHANICAL DAMAGE. INDUCTANCE SHALL BE WITHIN ±5% OF THE INITIAL VALUE	TEMPERATURE:-40°C,85°C FOR 30 MINUTES EACH, 100 CYCLES	
HUMIDITY RESISTANCE	AND Q(SHALL BE) WITHIN ±30% OFF THE INITIAL VALUE.	TEMPERATURE:-40°C±2°C HUMIDITY:95% RH TIME:1000±12 HOURS	
HIGH TEMPERATURE RESISTANCE		TEMPERATURE:85°C±2°C TIME:1000±12 HOURS	
LOW TEMPERATURE RESISTANCE		TEMPERATURE:85°C±2°C TIME:1000±12 HOURS	

●NOTE:

- 1.OPERATING TEMPERATURE RANGE -25°C TO + 85°C
- 2.STORAGE TEMPERATURE RANGE -40°C TO + 85°C

