

## *Approval Sheet*

**Date** : 2008-12-22

**Customer** : AXW TECHNOLOGY LIMITED

**Contact Person** :

**Customer Part No.** :

**MagCom Part No.** : HS12363

**Order Code.** : HS12363

**Description** : 10/100 Small Package Lan Filter

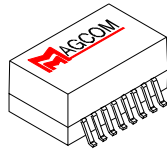
**Approved by MagCom** : JASON

**Approved by Customer** :

**Magnetic Communication Corp.**

Head Office & Factory

Build-B, 5F., No. 248-39, Hsing-Shen Rd., Cheng-Jeng Dist., LKPZ,  
Kaohsiung, Taiwan.

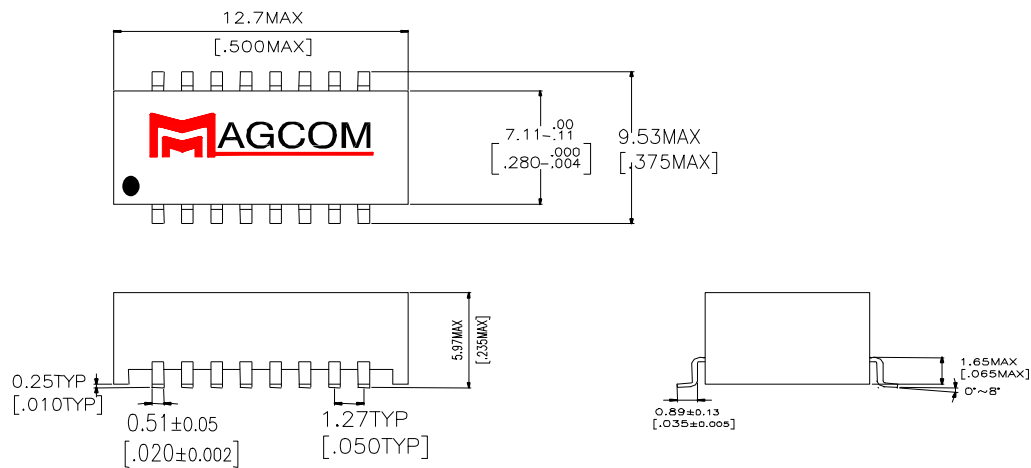


- ★ Designed to meet IEEE802.3u requirement
- ★ Designed to meet IR 235°C peak requirement
- ★ Primary inductance 350mH min. with 8mA DC Bias
- ★ Small Package for LAN on Board Application
- ★ LF-XXXXXX for ROHS

## Specifications

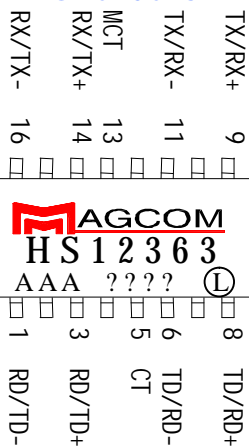
Part Number	Turn Ratio		Insertion Loss 0.3~100MHz (dB MAX)	Return Loss (MHz)			CMRR (dB)			Hi-Pot (Vrms MIN)
	Tx	Rx		30MHz	60MHz	100MHz	30MHz	50MHz	100MHz	
LF-HS12363	1:1	1:1	1.0	-18 dB	-16dB	-12dB	-45db	-40dB	-35dB	1500

## Dimension



## Schematic & Marking

### TO RJ-45 JACK



### TO Ether Device

備註:

- HS12363 = PART NUMBER (LF 不標示)
- ???? = DATE CODE
- AA A = TWN : MADE BY TAIWAN
- CHA : MADE BY CHINA
- Ⓛ = 無鉛製程標示

Data sheet subject to change without notice

## Head Office & Factory

Build-B, 5F, No. 248-32, Hsing-Shen Rd., Cheng-Jeng Dist., Lin-Kung Proc. Zone, Kaohsiung, Taiwan.

China Agent

TEL:86-755-83688556 Fax:86-755-83778765 [sales@axwdragon.com](mailto:sales@axwdragon.com) lan-h164-12 (10/2005) Rev B

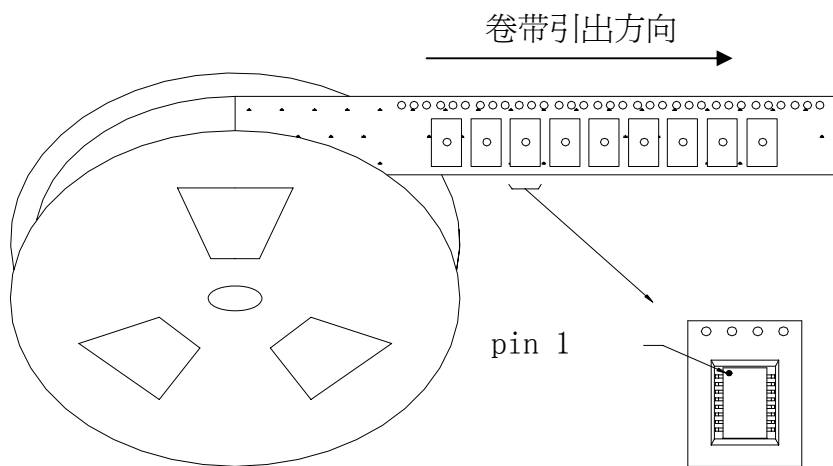




## PACKAGING SPEC

Customer:	Customer P/N:		Date:	
Quantity:	Magcom P/N :	<b>HS12363</b>	REV:	<b>A</b>

### 一：产品打带方向



### 二：包装方法及数量

- 1.W=24mm，P=12mm, 9.6M/卷。
- 2.打带前空16PCS Min 空穴，后留30PCS Min 空穴，750PCS/卷。
- 3.打完后在卷轮贴标签，注明料号数量等。
4. 2卷(1500PCS)/盒,在盒子(345\*345\*55)上注明料号数量等。
- 5.4盒(6000PCS)/箱,箱子(375\*360\*290)上注明料号数量等。

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MAGNETIC COMMUNICATION CORP  
5F.,NO.248-39,HSING-SHEN ROAD CHENG-JENG DIST.,LIN-GUANG

The following sample(s) was/were submitted and identified by/on behalf of the client as :

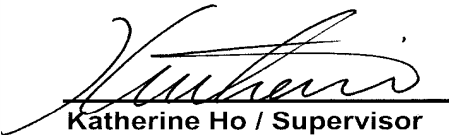
Sample Description : LAN TRANSFORMER  
Style/Item No. : LF-HS SERIES/LF-TA SERIES/LF-ET SERIES  
Sample Receiving Date : NO.1 2008/08/26 NO.2 2008/08/28  
Testing Period : NO.1 2008/08/26 TO 2008/09/01 NO.2 2008/08/28 TO 2008/09/04

=====  
**Test Requested** : In accordance with the RoHS Directive 2002/95/EC, and its amendment directives.

**Test Method** : With reference to IEC 62321/2nd CDV (111/95/CDV) Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products

- : (1) Determination of Cadmium by ICP-AES.
- : (2) Determination of Lead by ICP-AES.
- : (3) Determination of Mercury by ICP-AES.
- : (4) Determination of Hexavalent Chromium for non-metallic samples by UV/Vis Spectrometry.
- : (5) Determination of Hexavalent Chromium for metallic samples by Spot test / boiling water extraction Method.
- : (6) Determination of PBB and PBDE by GC/MS.

**Test Result(s)** : Please refer to next page(s).

  
**Katherine Ho / Supervisor**  
**Signed for and on behalf of**  
**SGS Taiwan Limited**

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5F.,NO.248-39,HSING-SHEN ROAD CHENG-JENG DIST.,LIN-GUANG

Test results by chemical method (Unit: mg/kg)

Test Item (s):	Method (Refer to)	Result		MDL
		No.1	No.2	
Cadmium (Cd)	(1)	n.d.	n.d.	2
Lead (Pb)	(2)	31.6	236	2
Mercury (Hg)	(3)	n.d.	n.d.	2
Hexavalent Chromium Cr(VI) by alkaline extraction	(4)	n.d.	---	2
Hexavalent Chromium Cr(VI) by Spot test / boiling water extraction	(5)	---	Negative	See Note 5
<b>Sum of PBBs</b>	(6)	n.d.	n.d.	-
Monobromobiphenyl		n.d.	n.d.	5
Dibromobiphenyl		n.d.	n.d.	5
Tribromobiphenyl		n.d.	n.d.	5
Tetrabromobiphenyl		n.d.	n.d.	5
Pentabromobiphenyl		n.d.	n.d.	5
Hexabromobiphenyl		n.d.	n.d.	5
Heptabromobiphenyl		n.d.	n.d.	5
Octabromobiphenyl		n.d.	n.d.	5
Nonabromobiphenyl		n.d.	n.d.	5
Decabromobiphenyl		n.d.	n.d.	5
<b>Sum of PBDEs</b>		n.d.	n.d.	-
Monobromodiphenyl ether		n.d.	n.d.	5
Dibromodiphenyl ether		n.d.	n.d.	5
Tribromodiphenyl ether		n.d.	n.d.	5
Tetrabromodiphenyl ether		n.d.	n.d.	5
Pentabromodiphenyl ether		n.d.	n.d.	5
Hexabromodiphenyl ether		n.d.	n.d.	5
Heptabromodiphenyl ether		n.d.	n.d.	5
Octabromodiphenyl ether		n.d.	n.d.	5
Nonabromodiphenyl ether	n.d.	n.d.	5	
Decabromodiphenyl ether	n.d.	n.d.	5	

**TEST PART DESCRIPTION:**

- NO.1 : BLACK/WHITE BODY (KA/2008/81975)
- NO.2 : SILVER PIN (KA/2008/81976)

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- Note :
1. mg/kg = ppm
  2. n.d. = Not Detected
  3. MDL = Method Detection Limit
  4. The exemption of DecaBDE in polymeric application according 2005/717/EC was overruled by the European Court of Justice by its decision of 01.04.2008. Subsequently DecaBDE will be included in the sum of PBDE after 01.07.2008
  5. Spot-test:  
Negative = Absence of Cr(VI) coating / surface layer, Positive = Presence of Cr(VI) coating / surface  
(The tested sample should be further verified by boiling-water-extraction method if the spot test result cannot be confirmed.)  
Boiling-water-extraction:  
Negative = Absence of Cr(VI) coating / surface layer,  
Positive = Presence of Cr(VI) coating / surface layer the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm<sup>2</sup> sample surface area.
  6. " - " = Not Regulated

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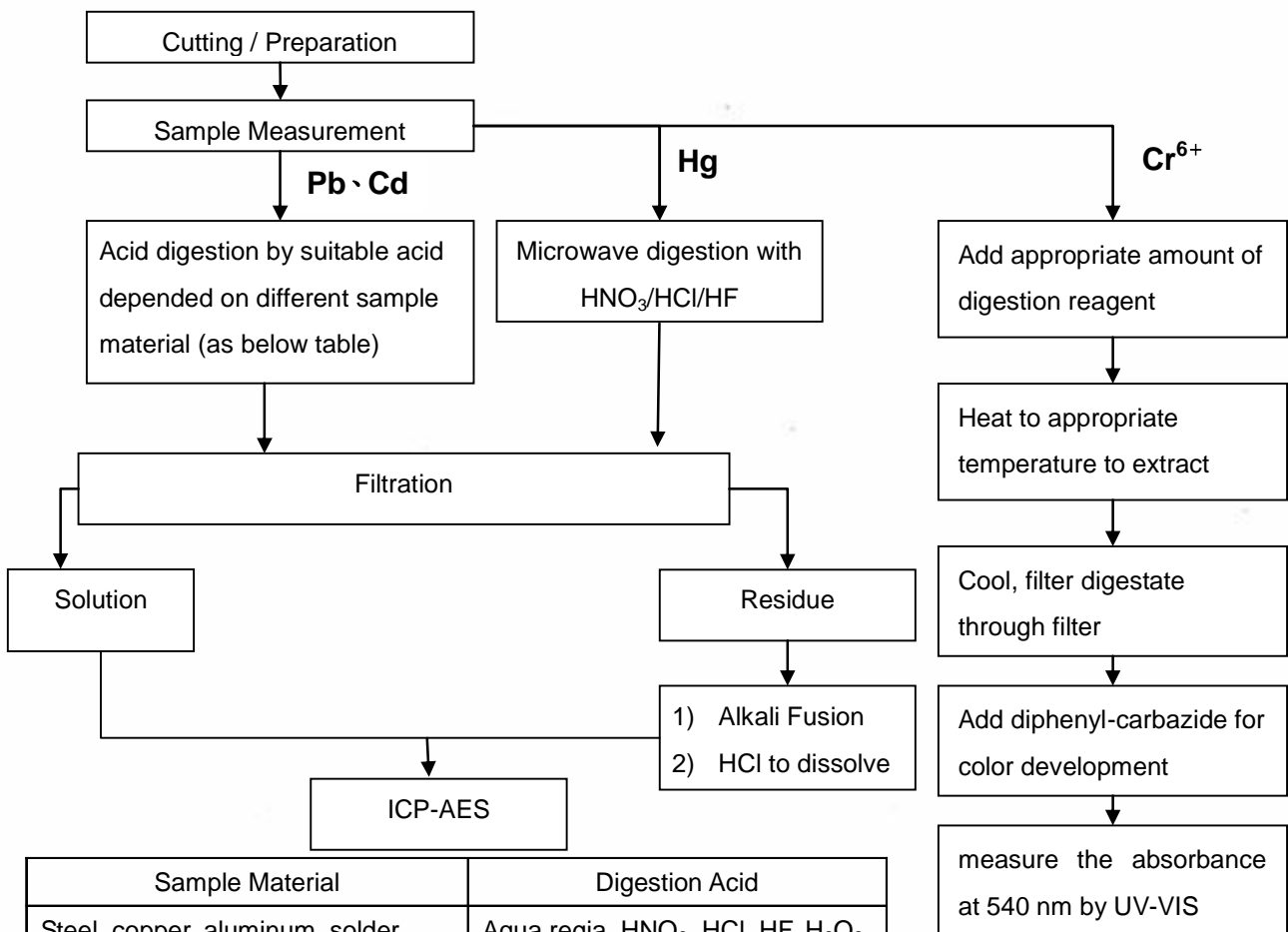
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# Test Report



MAGNETIC COMMUNICATION CORP  
5F.,NO.248-39,HSING-SHEN ROAD CHENG-JENG DIST.,LIN-GUANG

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.  
(Cr<sup>6+</sup> test method excluded)
- 2) Name of the person who made measurement: Hungming Li
- 3) Name of the person in charge of measurement: Ray Chang



Sample Material	Digestion Acid
Steel, copper, aluminum, solder	Aqua regia, HNO <sub>3</sub> , HCl, HF, H <sub>2</sub> O <sub>2</sub>
Glass	HNO <sub>3</sub> /HF
Gold, platinum, palladium, ceramic	Aqua regia
Silver	HNO <sub>3</sub>
Plastic	H <sub>2</sub> SO <sub>4</sub> , H <sub>2</sub> O <sub>2</sub> , HNO <sub>3</sub> , HCl
Others	Any acid to total digestion

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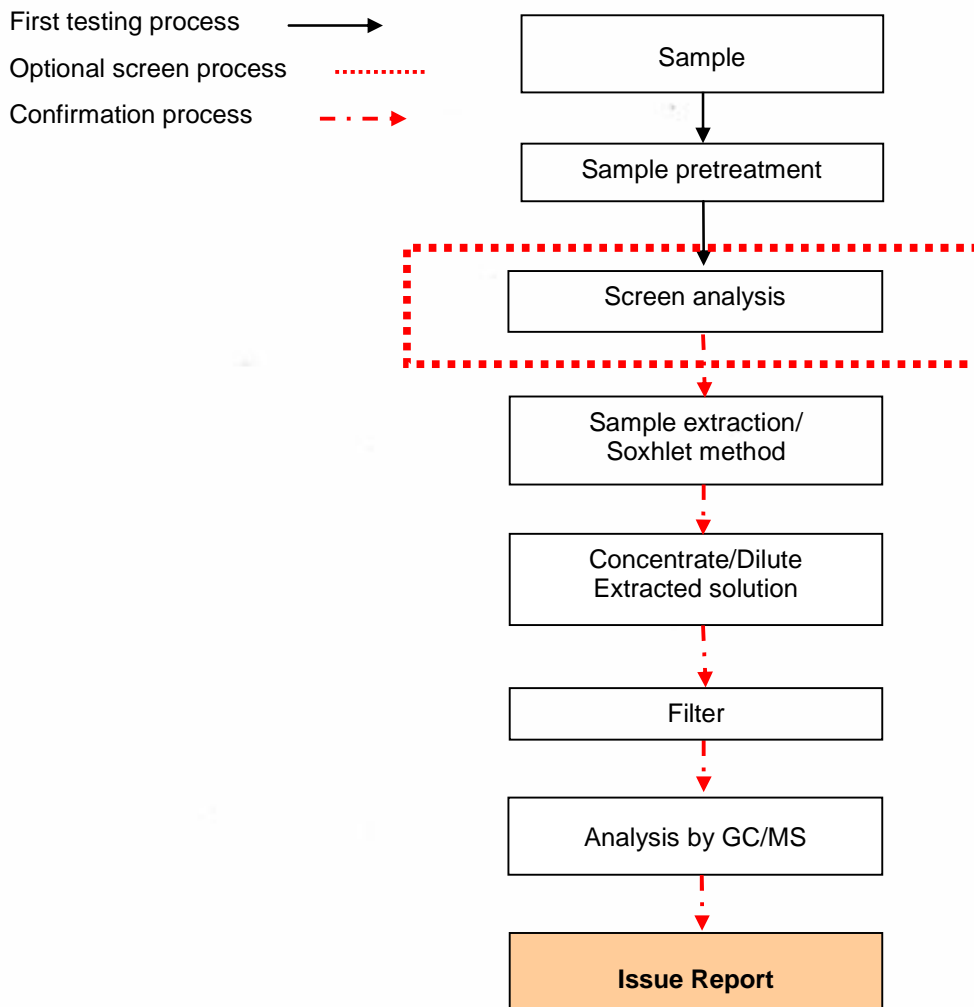


MAGNETIC COMMUNICATION CORP  
5F.,NO.248-39,HSING-SHEN ROAD CHENG-JENG DIST.,LIN-GUANG

### PBB/PBDE analytical FLOW CHART

1) Name of the person who made measurement: Anson Tsao

2) Name of the person in charge of measurement: Ray Chang



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\*\* End of Report \*\*

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