



SPECIFICATION FOR APPROVAL

DATE: November 07, 2008

SAMPLE Q'TY 11 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: AF-011

MFILTER P/N : FL1601DR

DESCRIPTION : FILTER

APPROVED SIGNATURES

MFILTER APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: 唐海英	APPROVED BY:
DATE: 2008-11-7	DATE:
APPROVED No. :	APPROVED No. :

MFILTER(KAI PING) ENTERPRISE INC.

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10 BASE-T L/P FILTER

P/N:FL1601DR DATA SHEET(REFERENCE ACUWA AF-011)



MFILTER
ELECTRONIC CORP.

Feature

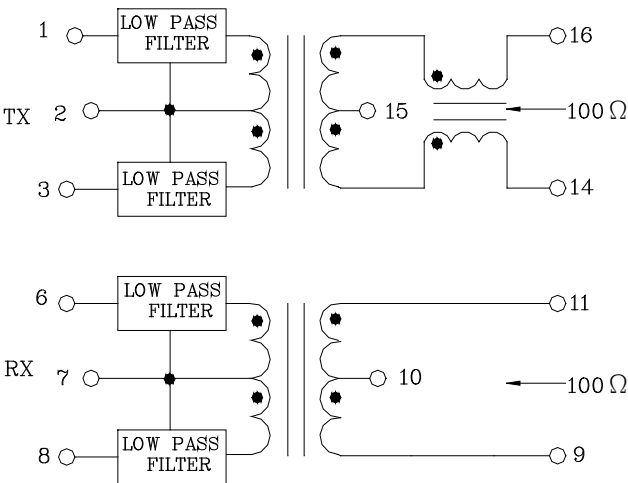
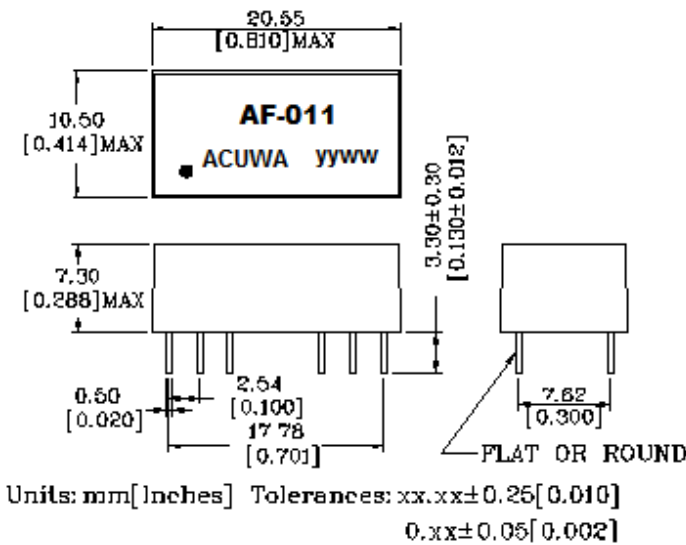
- ◆ Operating temperature range : 0℃ to +70℃.
- ◆ Storage temperature range: 0℃ to +100℃.

Electrical Specifications @ 25℃						
Part Number	Turns Ratio TX/RX	CUT-OFF Frequency	CWW (pF Max)	HI-POT (Vrms)	TYPE (POLE)	
					TX	RX
FL1601DR	1CT:1CT	17MHz ± 1.5MHz	25	1000	7	5

Continue									
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)		Cross talk (dB Min)	Attenuation TX/RX(dB Min)				CMRR (dB Min)
	1-10MHz	1-5 MHz	5-12 MHz	1-10MHz	20MHz	25MHz	30 MHz	40MHz	100MHz
FL1601DR	-1.1	-11	-10	-30	-7/-6	-19/-14	-27/-20	-32/-31	-30

Mechanical

Schematic



Approved by. :唐海英

Checked by. :

Prepared by : 周 银

MFILTER ELECTRONIC CORP.

SAMPLES TEST REPORT

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CUSTOMER		ACUWA		CUST P/N					AF-011		
ITEM		TRANSFORMER		MFILTER P/N					FL1601DR		
PART NO.		208-10066		DATE					2008-11-07		
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25℃	SAMPLES NO. TEST PIN	1	2	3	4	5	SPECIFICATION		
			Min	Typ	Max						
TURN RATIO (±3%)	TH2818XB	100KHZ/0.1V	1-3:16-14	1.00	1.00	1.00	1.00	1.00	1CT:1CT		
			6-8:11-9	1.00	1.00	1.00	1.00	1.00			
CW/W (PF MAX)	TH2818XB	100KHZ/0.1V	2-15	15	16	15	15	16	25		
			7-10	14	16	15	14	15			
HI-POT(Vrms)	GPI-5005T	1000Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S		
Insertion Loss (dB)	8711/8712	1-10MHz	TX	-0.85	-0.85	-0.85	-0.85	-0.85			-1.1
			RX	-0.85	-0.85	-0.85	-0.85	-0.85			-1.1
Return Loss(dB)	8711/8712	1-5MHz	TX&RX	-21.2	-21.8	-21.6	-21.0	-21.5	-11		
				-21.2	-21.8	-21.6	-21.0	-21.5			
		5-12MHz		-17.2	-17.5	-17.8	-17.2	-17.5	-10		
				-17.2	-17.5	-17.8	-17.2	-17.5			
Cross Talk(dB)	8711/8712	1-10MHz	TX TORX	-42.8	-42.5	-42.3	-42.6	-42.1	-30		
				-42.8	-42.5	-42.3	-42.6	-42.1			
CMRR (dB)	8711/8712	100MHz	TX&RX	-36.5	-37.4	-36.5	-35.7	-36.5	-30		
				-36.5	-37.4	-36.5	-35.7	-36.5			
REMARK:				Approved by:		Checked by:		Drawn by:			
				唐海英				周 银			

MFILTER ELECTRONIC CORP.

SAMPLES TEST REPORT

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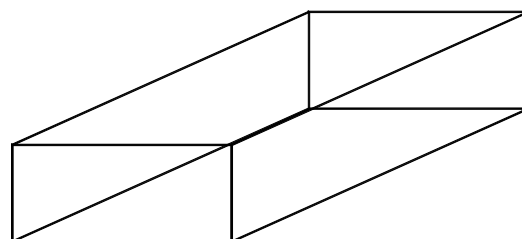
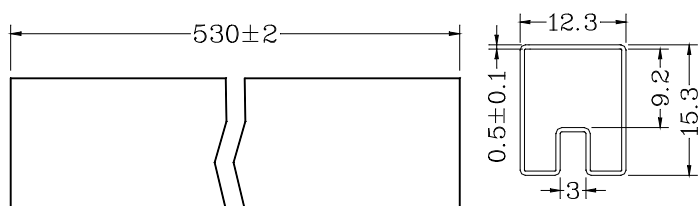
CUSTOMER		ACUWA		CUST P/N					AF-011		
ITEM		TRANSFORMER		MFILTER P/N					FL1601DR		
PART NO.		208-10066		DATE					2008-11-07		
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25℃	SAMPLES NO. TEST PIN	6	7	8	9	10	SPECIFICATION		
			Min	Typ	Max						
TURN RATIO (±3%)	TH2818XB	100KHZ/0.1V	1-3:16-14	1.00	1.00	1.00	1.00	1.00	1CT:1CT		
			6-8:11-9	1.00	1.00	1.00	1.00	1.00			
CW/W (PF MAX)	TH2818XB	100KHZ/0.1V	2-15	16	14	15	15	13	25		
			7-10	15	13	14	14	15			
HI-POT(Vrms)	GPI-5005T	1500Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S		
Insertion Loss (dB)	8711/8712	1-100MHz	TX	-0.85	-0.85	-0.85	-0.85	-0.85			-1.1
			RX	-0.85	-0.85	-0.85	-0.85	-0.85			-1.1
Return Loss(dB)	8711/8712	1-5MHz	TX&RX	-21.5	-21.0	-21.3	-21.8	-21.8	-11		
				-21.2	-21.8	-21.7	-21.0	-21.5			
		5-12MHz		-17.8	-17.4	-17.5	-17.3	-17.5	-10		
				-17.2	-17.5	-17.7	-17.2	-17.5			
Cross Talk(dB)	8711/8712	1-10MHz	TX TORX	-42.9	-41.5	-41.3	-42.5	-42.7	-30		
				-42.8	-42.5	-42.3	-42.6	-42.1			
CMRR (dB)	8711/8712	100MHz	TX&RX	-36.2	-37.0	-36.9	-35.9	-36.2	-30		
				-36.5	-37.4	-36.5	-35.7	-36.5			
REMARK:				Approved by:		Checked by:		Drawn by:			
				唐海英				周 银			

MFILTER ELECTRONIC CORP.

SAMPLES PACK SPECIFICATIONS

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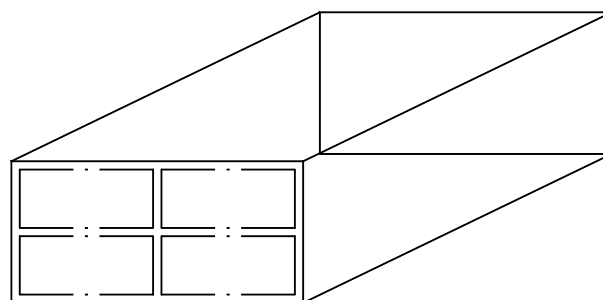
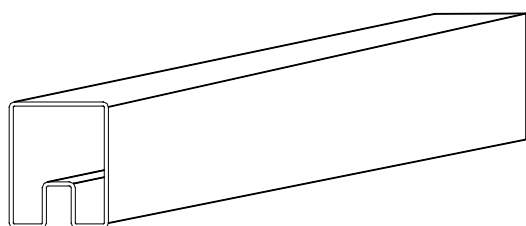
CUSTOMER	ACUWA	CUST P/N.	AF-011
ITEM	FILTER	MFILTER P/N	FL1601DR
PART NO.	208-10066	DATE	2008-11-7



Units:mm Tolerances: $xx.xx0 \pm 0.25$
 $x.x0 \pm 0.25$

TUBE MECHANICAL DIMENSION

INNER CARTON : $54.5 \times 16.5 \times 7.5$ cm



TUBE =25 PCS

INNER CARTON=50 TUBE=50*25=1250

EXPORT CAPTON : $56.5 \times 34.5 \times 17.5$ cm

EXPORT CARTON=4INNER CARON=4*1250=5000 PCS

REMARK:	Approved by:	Checked by:	Drawn by:
	唐海英		周 银