

SPECIFICATIONS

Customer :				
Customer P/N:			ACW- 🗌 Serie	s
Drawing No:				
Quantity :	0	Pcs.	Date :	2017/09/06
Meled P/N:		A	CW- 🗌 Series/	參照

	SPECIFICATION
	ACCEPTED BY:
COMPONENT	
ENGINEER	
ELECTRICAL	
ENGINEER	
MECHANICAL	
ENGINEER	
APPROVED	
REJECTED	

For Customer approv Qualification Status:		stricted 🗌 Rejecte	ed
Approved By	Verified By	Re-checked By	Checked By



Version change history

Rev.	Effective Date	Changed Contents	Change Reasons	Approved By
01	/	New release	/	/



Wire Wound Type Common Mode Filter

CUSTOMER		CUSTOMER P/N		-	RI	EV.	А
PRODUCT TYPE		Meled P/N	ACW5040-SER	RIES	FIL	E NO.	SP-18103002
				CB Pattern)	•	A 2 B 5 C 2 D 0 E 1 F 2 G 1 H 0	4.8 ±0.2 5.0 ±0.2 4.5 Max 0.8 Typ .0 Typ 2.3 Ref .6 Ref 0.8 Ref .0 Ref
(4) 2. CIRCUIT	3	3. NOTE :					
	u−2 u−3						
4. ELECTRI	CAL CHARACTE	RISTIC					
Meled P/N	Common mc Impedanc @100MHz (e (uH)	Voltage	DCR (\Omega) MAX	Rat	ted Curre (A) Max.	nt IR (MQ) MIN
ACW5040-191T5	0 190 (Typ	o) 0.6(Typ)	50	0.02		5.0	10
ACW5040-351T2	0 350 (Typ) 1.1(Typ)	50	0.04		2.0	10
ACW5040-102T1	5 1000 (Ty	p) 2.7(Typ)	50	0.06		1.5	10
	0 1500 (Ty	p) 3.6(Typ)	50	0.10		1.0	10
ACW5040-152T1	0 1500 (Ty	F)					
ACW5040-152T1 ACW5040-302T0			50	0.20		0.5	10

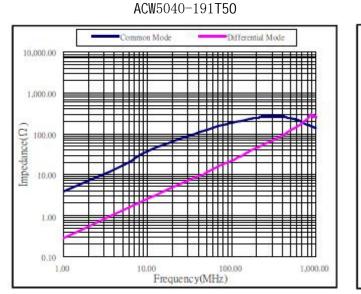
1.IDC: ΔT=40°CTyp. 2.I.R: 50V(DC)/0.5S

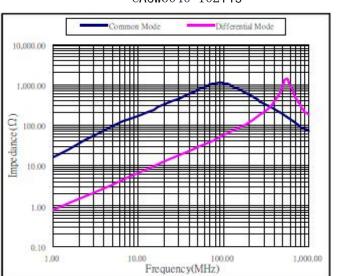


Wire Wound Type Common Mode Filter

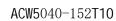
CUSTOMER	 CUSTOMER P/N		REV.	А
PRODUCT TYPE	Meled P/N	ACW5040-SERIES	FILE NO.	SP-18103002

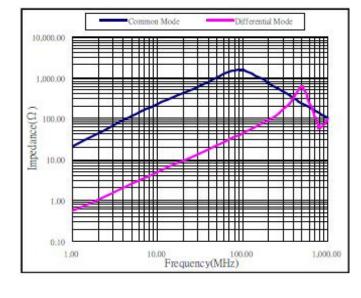
5. CHARACTERISTICS(REFERENCE)



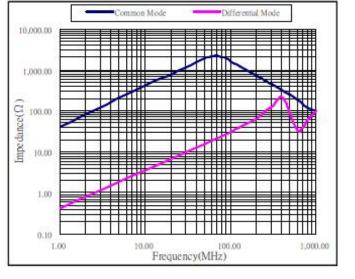


CACW5040-102T15





ACW5040-302T05



MetalLions

Wire Wound Type Common Mode Filter

4 5 7. TAPING End	ITEM CORE WIRE ADHESIVE SOLDER INK SPECFICATIO	FERRITE P180 Grd1 EPOXY RESIN Sn99.3:Cu0.7 BLACK NS P:12 m/m	ACW5040-SERIES SCRIPTION $4 \frac{m/m}{m}$ $\bullet \bullet \bullet \circ \circ \circ \circ \circ$	FENGYIN OR E ELEKTRISOLA NAGASE OR E SHENMAO OR BON MARQUE O	OR EQ Q EQ R EQ Start
6. MATERIA NO. 1 2 3 4 5 7. TAPING End 0 0 0 0 0	ITEM CORE WIRE ADHESIVE SOLDER INK SPECFICATIO	DE FERRITE P180 Grd1 EPOXY RESIN Sn99.3:Cu0.7 BLACK NS P:12 m/m 0 0 0 0 0 0		SUPP FENGYIN OR E ELEKTRISOLA NAGASE OR E SHENMAO OR BON MARQUE O	LIER Q OR EQ Q EQ R EQ Start
NO. 1 2 3 4 5 7. TAPING End 0 0 0 0 0 0	ITEM CORE WIRE ADHESIVE SOLDER INK SPECFICATIO	FERRITE P180 Grd1 EPOXY RESIN Sn99.3:Cu0.7 BLACK NS P:12 m/m 0 0 0 0 0 0	4m/m 1→1 0 \$ \$ 0 0 0 0 0	FENGYIN OR E ELEKTRISOLA NAGASE OR E SHENMAO OR BON MARQUE O	Q OR EQ Q EQ R EQ Start
1 2 3 4 5 7. TAPING End 0 0 0 0 0	CORE WIRE ADHESIVE SOLDER INK SPECFICATIO	FERRITE P180 Grd1 EPOXY RESIN Sn99.3:Cu0.7 BLACK NS P:12 m/m 0 0 0 0 0 0	4m/m 1→1 0 \$ \$ 0 0 0 0 0	FENGYIN OR E ELEKTRISOLA NAGASE OR E SHENMAO OR BON MARQUE O	Q OR EQ Q EQ R EQ Start
2 3 4 5 7. TAPING End 0 0 0 0 0	WIRE ADHESIVE SOLDER INK SPECFICATIO	P180 Grd1 EPOXY RESIN Sn99.3:Cu0.7 BLACK NS P:12 m/m 0 0 0 0 0 0	 • • • • • • • • • □ □ □ □	ELEKTRISOLA NAGASE OR E SHENMAO OR BON MARQUE O	OR EQ Q EQ R EQ Start
3 4 5 7. TAPING End	ADHESIVE SOLDER INK SPECFICATIO	EPOXY RESIN Sn99.3:Cu0.7 BLACK NS P:12 m/m	 • • • • • • • • • □ □ □ □	NAGASE OR E SHENMAO OR BON MARQUE O	Q EQ R EQ Start
4 5 7. TAPING End	SOLDER INK SPECFICATIO	Sn99.3:Cu0.7 BLACK NS P:12 m/m	 • • • • • • • • • □ □ □ □	SHENMAO OR BON MARQUE O	EQ R EQ Start
5 7. TAPING End 0 0 0 0 0	INK	BLACK NS P:12 m/m 0 0 0 0 0 0	 • • • • • • • • • □ □ □ □	BON MARQUE O	R EQ Start
7. TAPING End	SPECFICATIO	NS P:12 m/m 0 0 0 0 0 0	 • • • • • • • • • □ □ □ □		Start
		P:12 m/m	 • • • • • • • • • □ □ □ □		
		P:12 m/m	 • • • • • • • • • □ □ □ □		
		P:12 m/m	 • • • • • • • • • □ □ □ □		
no con 200 m	eader nponent n/m min.		ponents	Trailer no compone 400 m/m mi	nt n.
8.2		User dire	ection of feed		
The conduction	gth of cover tape is band direction	65-180° t:mm) Qu D Pc	antity s/Reel 1000	A	B D



Wire Wound Type Common Mode Filter

CUSTOMER		CUSTOMER P/N		REV.	А
PRODUCT TYPE		Meled P/N	ACW5040-SERIES	FILE NO.	SP-18103002
8. RELIAE	BILITY TESTING				
Operating Tempe	erature	– 40 to +125 °C (Contain Heating coil)		
Appearance Insp	pection	No external defect	ts by visual inspection		
ferminal Streng	th	After soldering ,	between copper plaet and	d terminals	
		of coils , push in	n two directions of X ,	Y with	
		standing 10N(1.02)	kg) for10+/-2 sec.		
		Terminal should	not peel off. (Refe	r to figure a	nt right)
Heat endurance	of reflow	Refer to figure			
soldering					
Insulating resi	stance	Over 100 MΩ at 10	DOV D.C . between wire a	nd core	
Dielectric Stre	ength	Apply at 0.5KV 3	BmA for 1 minute betwee	n wire and co	ore
Temperature cha	racteristics	Inductance coeffic	cient (0^2 ,000) $ imes$ 10 ,	/ °C (- 40~ +	-125 °C)
Humidity charac	teristics	Inductance deviat:	ion within \pm 10% , after	r 96 hours in	n 90~95%
		relative humidity a	t 40 \pm 2 °C and 1 hours d	rying under no	ormal condition
A test is made IR Reflow profi			t 40 \pm 2 $^\circ$ C and 1 hours d		
	1e				
IR Reflow profi	1e		on , and it is kept for Soldering		
IR Reflow profi Temperature	1e		on , and it is kept for		
IR Reflow profi Temperature 300 —	1e		on , and it is kept for Soldering		
IR Reflow profi Temperature 300 - 250 -	le •℃		on , and it is kept for Soldering 255 ℃	2 hours in th	ne normal
IR Reflow profi Temperature 300 - 250 - 200 - 150 -	le •℃	mentioned condition	on , and it is kept for Soldering 255 ℃		ne normal
IR Reflow profi Temperature 300 - 250 - 200 - 150 - 100 -	le •℃	mentioned condition	on , and it is kept for Soldering 255 ℃	2 hours in th	ne normal
IR Reflow profi Temperature 300 - 250 - 200 - 150 -	le •℃	mentioned condition	on , and it is kept for Soldering 255 ℃	2 hours in th	ne normal