



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Product Specifications Approval Sheet

Product Description: DR Filter 5245MHz (BW=190MHz) 8.6x3.0x4.05

TST Parts No.: TR0009A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ Hong Pu Lin *Hong Pu Lin*

Approval by: \_\_\_\_\_ Andy Yu *Andy Yu*

Date: \_\_\_\_\_ 5 / 9 / 2018

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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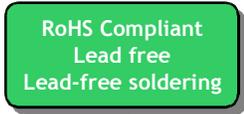
DR Filter 5245MHz 190MHz BW

MODEL NO.: TR0009A

REV. NO.1

## A. MAXIMUM RATING:

1. Operating temperature range: -40°C to 85°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 1W
4. Input/Output Impedance:50 Ohm
5. Moisture Sensitive Level: Level 1 (MSL1)

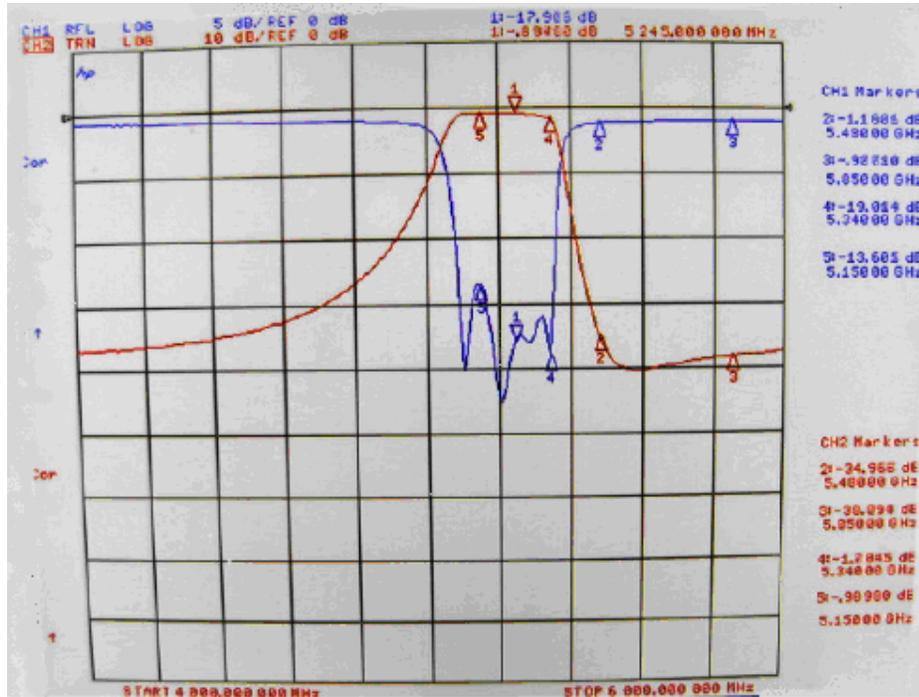


**Electrostatic Sensitive Device**

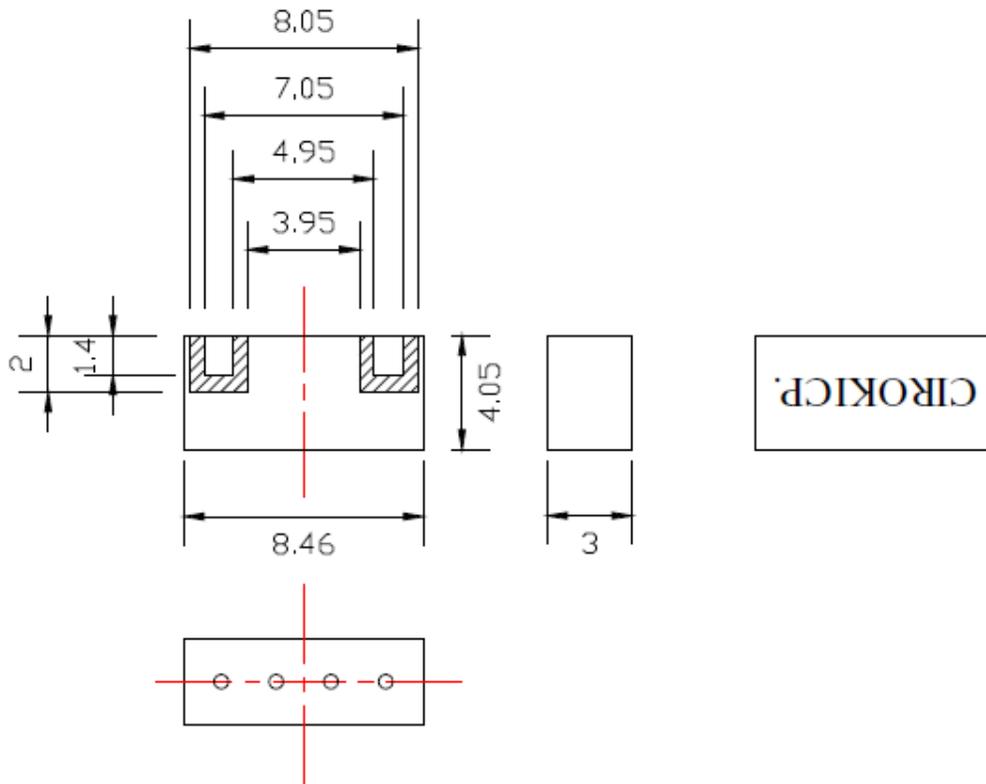
## B. CHARACTERISTICS:

Item	Unit	typ	Spec.
Center frequency, <b>F<sub>c</sub></b>	MHz	5245	
Insertion Loss, (5150~5340MHz)	dB	1.5	2.0max
Passband Ripple (5150~5340MHz)	dB	0.8	1.5max
Return Loss (5140~5340MHz)	dB	12	10min
Specifies the absolute value of Attenuation			
5480~5850MHz	dB	35	30min

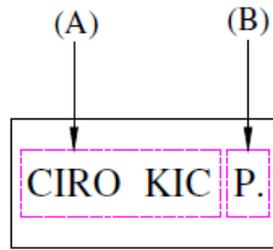
**C. FREQUENCY CHARACTERISTICS:**



**D. OUTLINE DRAWING:**



Dimensions in mm  
 Tolerance: ±0.25

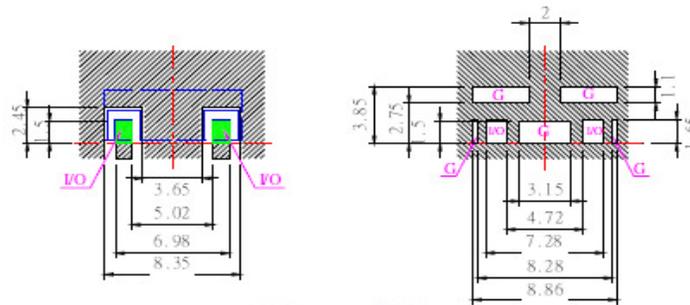


(A) Product name : CIRO KIC  
 (B) Year/Month : Please refer to the Table-1

( Table-1 )

Year	Month	Code									
2012 2016 2020 2024	1	A	2013 2017 2021 2025	1	N	2014 2018 2022 2026	1	A.	2015 2019 2023 2027	1	N.
	2	B		2	P		2	B.		2	P.
	3	C		3	Q		3	C.		3	Q.
	4	D		4	R		4	D.		4	R.
	5	E		5	S		5	E.		5	S.
	6	F		6	T		6	F.		6	T.
	7	G		7	U		7	G.		7	U.
	8	H		8	V		8	H.		8	V.
	9	J		9	W		9	J.		9	W.
	10	K		10	X		10	K.		10	X.
	11	L		11	Y		11	L.		11	Y.
	12	M		12	Z		12	M.		12	Z.

**E. FOOT PRINTING:**



Tolerance  $\pm 0.20$   
 I/O : Input/Output  
 G : Ground



Electrode



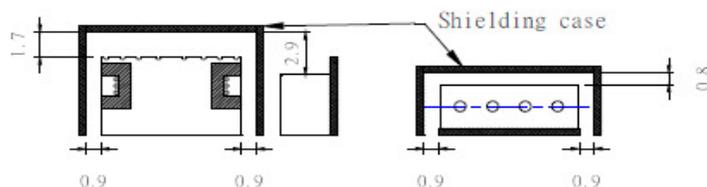
Solder Resist



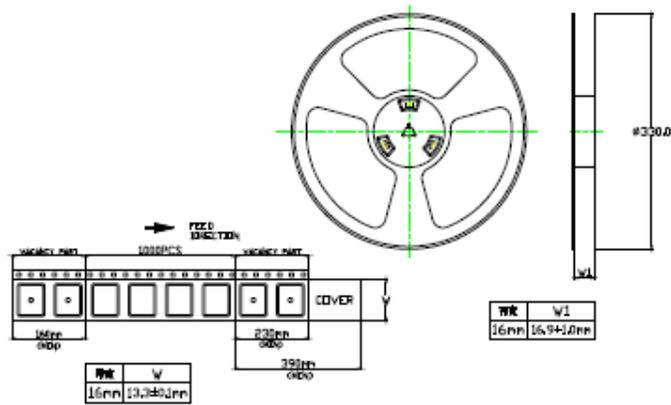
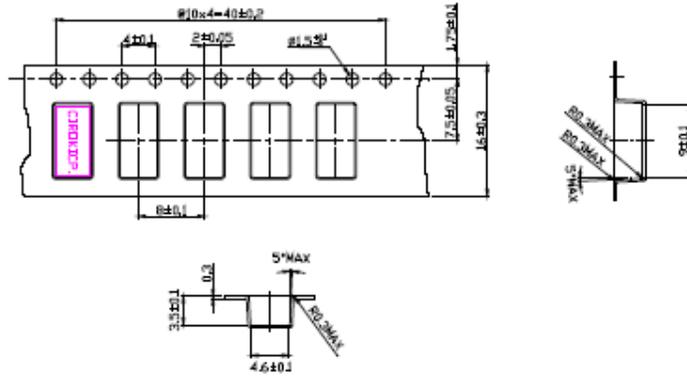
I/O Pads must be connected to lines with  $50\Omega$  impedance. In the application a termination of  $50\Omega$  must be realized.



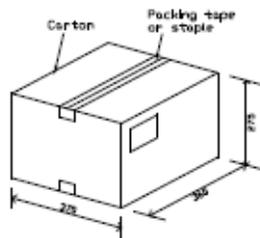
Solder LAND



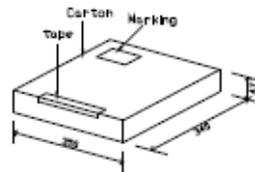
**F. PACKING:**



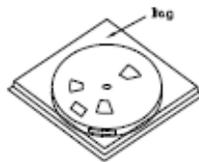
1. Outer Carton  
Quantity: 5000PCS



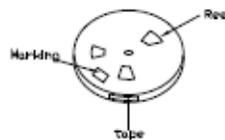
2. Inner Carton  
Quantity: 1000PCS



3. Bag  
Quantity: 1000PCS



4. Taping  
Quantity: 1000PCS



Unit:mm

## G. RECOMMENDED REFLOW PROFILE:

The graphic shows temperature profile for component assembly process in reflow ovens

