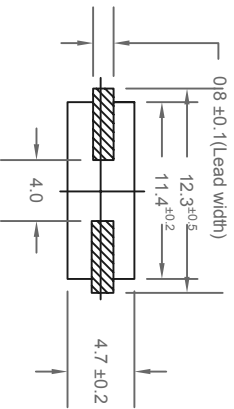
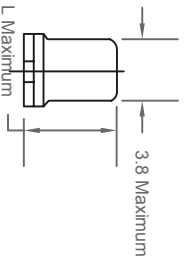
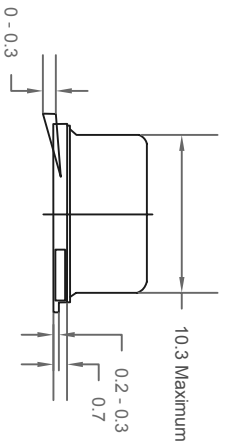
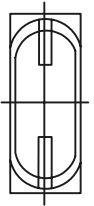


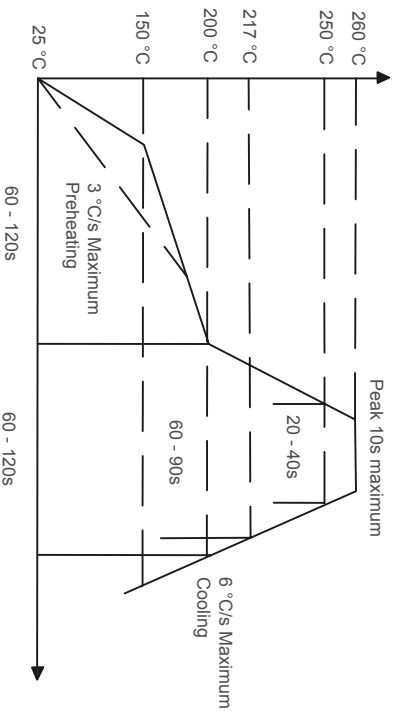
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SPC-F005.DWG



	L Maximum
49US-SMD	4.3
49USS-SMD	3.0

Reflow Profile (49US-SMD/49USS-SMD)

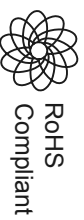


Dimensions : Inches (mm)

REVISIONS

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			SHA	25-10-10	JAG	25-10-10	XXX	08-11-10

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398



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TOLERANCES:

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
SHA	25-10-10
CHECKED BY:	DATE:
JAG	25-10-10
APPROVED BY:	DATE:
XXX	08-11-10

DRAWING TITLE:

EMI/RFI Fan Filter

SIZE	DWG. NO.	ELECTRONIC FILE
A	MCRSD04096F183000RR	25R4166
SCALE:	NTS	U.O.M.: Millimeters
SHEET:	1	OF 1

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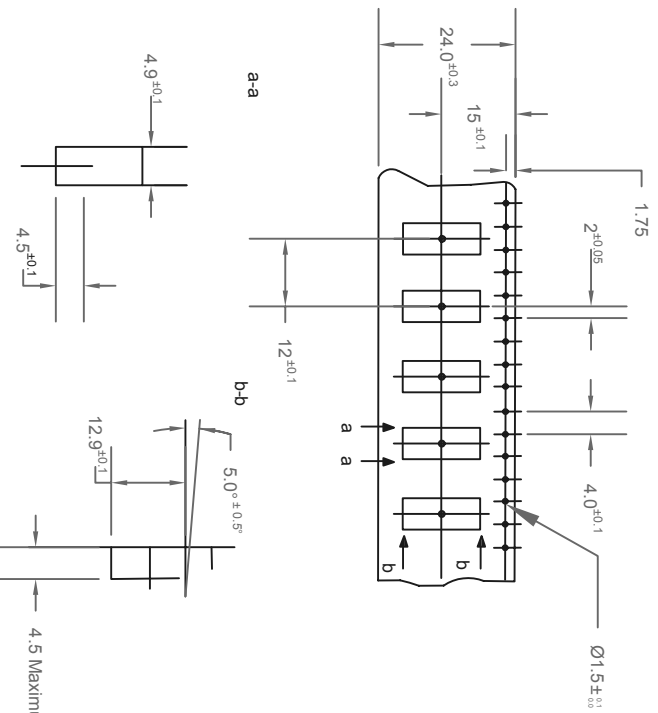
SPC-F005.DWG

REVISIONS

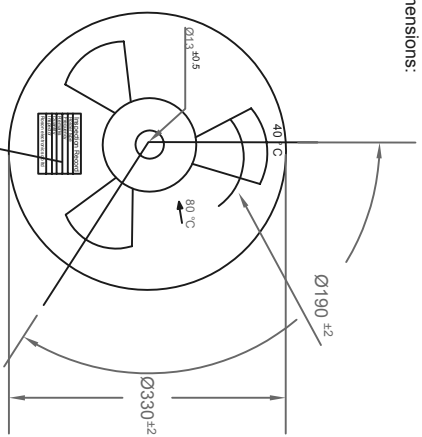
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			SHA	25-10-10	JAG	25-10-10	XXX	08-11-10

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

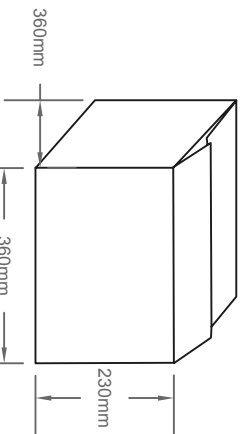
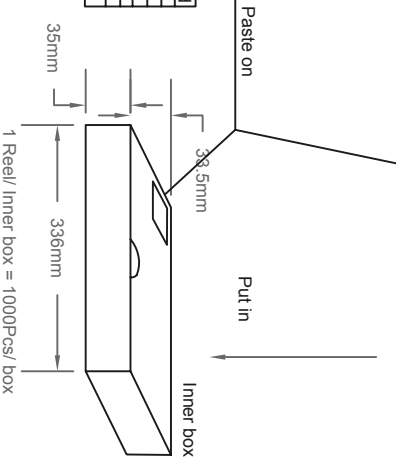
Tape Dimensions:



Reel Dimensions:



Holder type	
Frequency	
Remarks	
Quantity	
Inspector	
Rosin electronics co ltd	



1 Outer box
5 Inner box x 1000 pcs
= 5,000 pcs

Packing method may be changed. Please according to the actual packing delivered.

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DRAWING TITLE:

EMI/RFI Fan Filter

DRAWN BY:	DATE:
SHA	25-10-10
CHECKED BY:	DATE:
JAG	25-10-10
APPROVED BY:	DATE:
XXX	08-11-10

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	MCRSD04096F183000RR	25R4166	A
SCALE:	NTS	U.O.M.: Millimeters	SHEET: 1 OF 1



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SPC-F005.DWG

REVISIONS		DCP NO.	SPC-F005	* Effective:	7/8/02	* DCP No.:	1398	
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			SHA	25-10-10	JAG	25-10-10	XXX	08-11-10

Specifications

Parameters:



No	Description	Contents
1	Holder Type	49US-SMD
2	Nominal Frequency	4.096 MHz
3	Oscillation Mode	AT-FUND
4	Load capacitance	18 pF
5	Frequency tolerance at 25°C±3°C	±30 ppm
6	Frequency Tolerance in Operating Temperature Range	±30 ppm
7	Operating Temperature Range	-20°C to +70°C
8	Storage Temperature Range	-40°C to +85°C
9	Equivalent Series Resistance	≤ 100Ω
10	Drive Level	≤ 50μW
11	Shunt Capacitance	≤ 5.0 pF
12	Insulation Resistance	≥ 500MΩ
13	Test Impedance Meter	KH1200
14	Marking	ROSON 4.096F18**
15	Aging	±3ppm/Year

Remarks: Pb Free & RoHS Compliant.
 **: Produce Line & Produce Month.

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DRAWN BY: SHA	DATE: 25-10-10	SIZE A	DWG. NO. MCRSD04096F183000RR	ELECTRONIC FILE 25R4166	REV A
CHECKED BY: JAG	DATE: 25-10-10	SCALE: NTS	U.O.M.: Millimeters	SHEET: 1 OF 1	
APPROVED BY: XXX	DATE: 08-11-10				



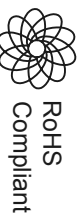
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SPC-F005.DWG

REVISIONS

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
			SHA	25-10-10	JAG	25-10-10	XXX	08-11-10

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398



Specifications

Physical & Environmental Parameters:

No	Description	Contents	Requirements
1	Vibration	10 to 55Hz, 0.75mm amplitude, in 3 directions duration of 30 minutes.	No mechanical damage and the measured values shall meet electrical parameters.
2	Random Dropping	The crystal will be test by natural dropping to 30mm wooden broad 3 times from high of 30 cm.	
3	Solder Ability	Dipped the terminals no closer than 2 mm into the solder bath at 240±5°C for 3± 0.5 sec.	At least 95% of the terminal surface shall be coated by the solder.
4	Resistance Solder Heat	Dipped the terminals up to 2 mm into the solder bath (260±5°C) for 3 sec, placed in a natural condition for 2 hours.	
5	Thermal Shock	Temperature cycling from -40°C(30mins) to +85°C(30mins) was performed 3 times, then placed in a natural condition for 2 hours.	Measured values shall meet electrical parameters.
6	Life Test (High Temperature)	Placed in a chamber (85±2°C) for 48 hours, then placed in a natural condition for 2 hours.	
7	Life Test (Low Temperature)	Placed in a chamber (-40±2°C) for 48 hours, then placed in a natural condition for 2 hours.	
8	Humidity	Placed in a chamber (Hum: 90 to 95% RH, Temp: 60±2°C) for 48 hours, then placed in a natural condition for 2 hours.	

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DRAWING TITLE:

EMI/RFI Fan Filter

SIZE	DWG. NO.	ELECTRONIC FILE
A	MCRSD04096F183000RR	25R4166
SCALE:	U.O.M.: Millimeters	SHEET: 1 OF 1

Part Number Table

Description	Part Number
EMI/RFI Fan Filter	MCRSD04096F183000RR