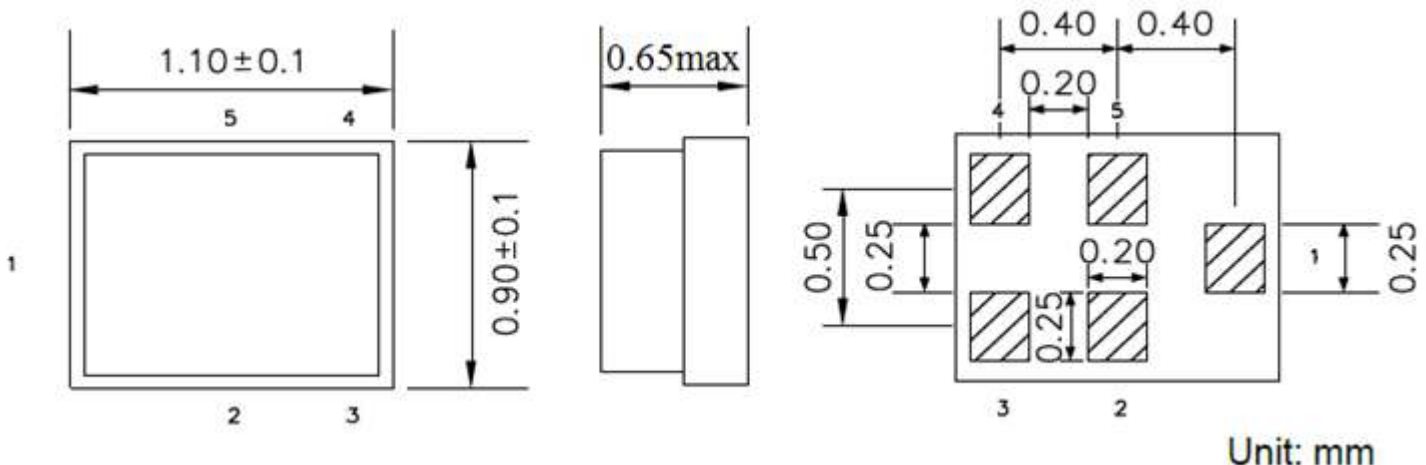


- ❖ Low-Loss RF Filter for Mobile Telephone Band II 25 systems (Diversity), Receive Path (RX).
- ❖ Impedance 50 Ω Input and Output.
- ❖ Unbalanced to Unbalanced Operation.
- ❖ RoHS Compatible.

Electrical Specification

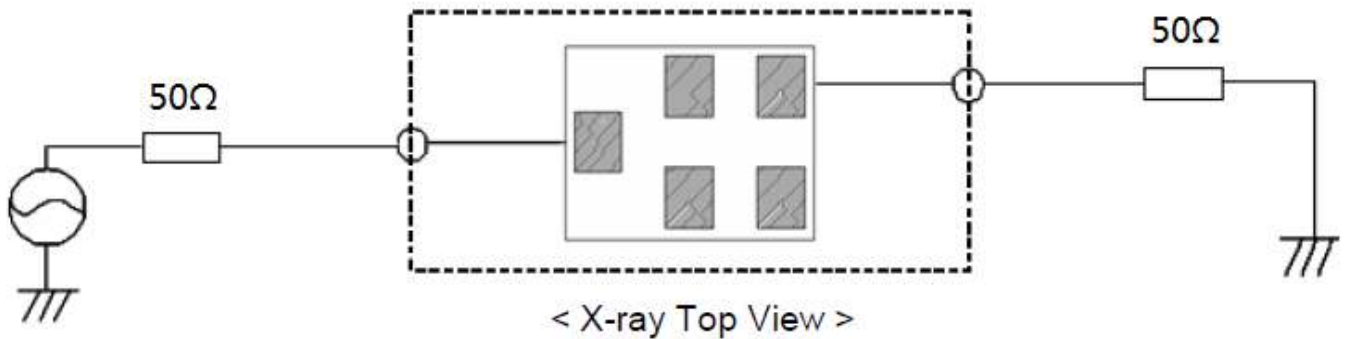
| Parameters | | Value | Unit | |
|--------------------------------------|-----|---------------------|-----------|-----|
| Insertion Loss, typ/max | | 1930.6 ~ 1994.4 MHz | 2.7 / 4.0 | dB |
| Pass Band Ripple, typ/max | | 1930.6 ~ 1994.4 MHz | 1.5 / 2.7 | dB |
| VSWR, typ/max | ANT | 1930.6 ~ 1994.4 MHz | 1.6 / 2.2 | - |
| | Rx | | 1.6 / 2.2 | - |
| Attenuation, min/typ | | 699 ~ 716 MHz | -30 / -37 | dB |
| | | 814 ~ 849 MHz | -30 / -34 | dB |
| | | 1850 ~ 1914.4 MHz | -40 / -43 | dB |
| | | 2055 ~ 2080 MHz | -20 / -25 | dB |
| | | 2400 ~ 2500 MHz | -30 / -33 | dB |
| | | 4900 ~ 5985 MHz | -30 / -45 | dB |
| DC Voltage | | | 5 | V |
| Input Power, max | | @ 2000 h | 15 | dBm |
| ESD Voltage ESD (MM) | | | 50 | VDC |
| Sensitive Discharge Voltage ESD(HBM) | | | 175 | VDC |
| Terminating Source Impedance | | | 50 | Ω |
| Terminating Load Impedance | | | 50 | Ω |
| Operating Temperature Range | | | -30 ~ +85 | °C |
| Storage Temperature Range | | | -40 ~ +85 | °C |

Dimensions

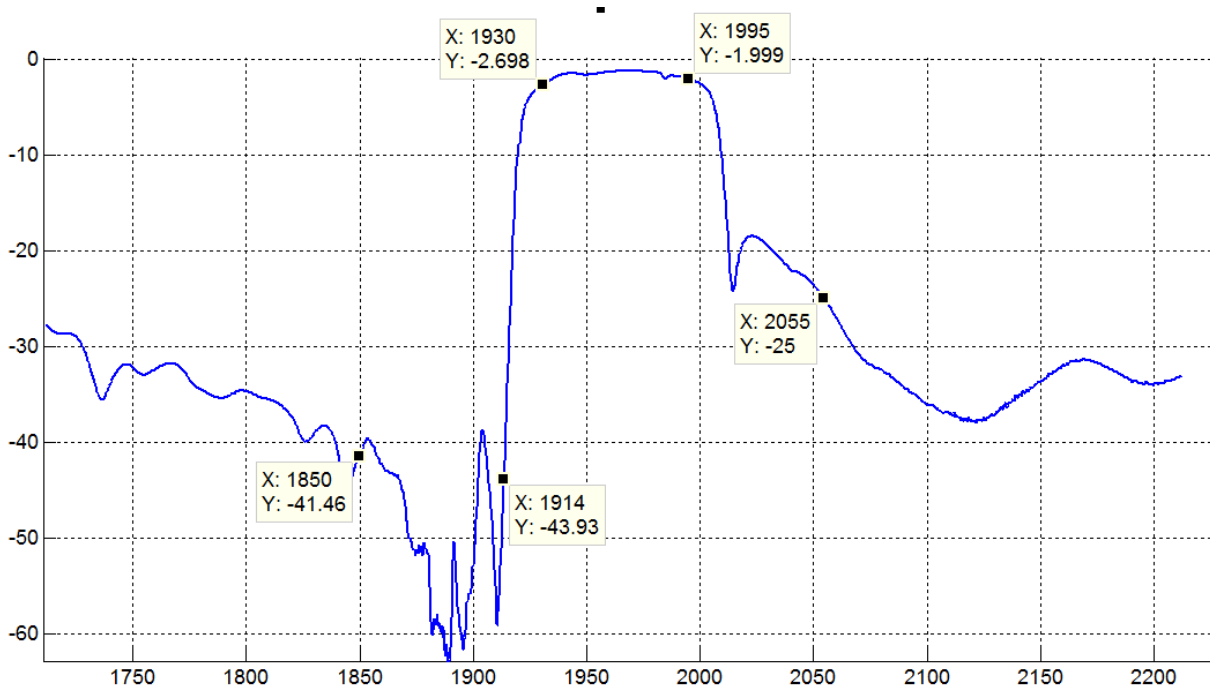


| PIN # | PIN NAME | DESCRIPTION |
|-------|----------|-------------|
| 1 | IN | Input |
| 2 | GND | Ground |
| 3 | GND | Ground |
| 4 | OUT | Output |
| 5 | GND | Ground |

Test Circuit



Frequency Characteristics



Environmental

| PARAMETER | VALUE |
|----------------------------|-----------|
| MOISTURE SENSITIVITY LEVEL | 2 |
| REACH – SVHC | Compliant |
| RoHS | Compliant |

● APPROVAL

| | |
|-------------|---------------------|
| DRAWN BY | AR, August 19, 2021 |
| APPROVED BY | CP, August 19, 2021 |
| REVISION | A, Initial Release |

Raltron Electronics / RAMI Technology USA, LLC, including its affiliates, employees, agents and other persons acting on its behalf (collectively Raltron/RAMI Tech), disclaim any and all liability for any errors or inaccuracies contained in this data sheet. While Raltron/RAMI Tech has made every reasonable effort ensure the accuracy of all product information, specifications and data contained herein, Raltron/RAMI Tech does not guarantee that the information is accurate, reliable or current. The product information is provided only for reference purposes only and is subject to change, correction or revision, at any time without notice. Raltron/RAMI Tech does not assume any liability arising out of an application or use of any product described herein and disclaims any warranties expressed or implied. The user of products in such applications shall assume all risks of such use and will agree to hold Raltron/RAMI Tech, harmless against all damages.

Copyright © 2016, Raltron Electronics / RAMI Technology USA, LLC. All rights reserved. No part of this document may be reproduced in any form without the prior written permission of Raltron Electronics / RAMI Technology USA, LLC.