



CWF2595BW160-L31W22

2515MHz to 2675MHz CERAMIC WAVEGUIDE FILTER

REV.	DESCRIPTION	REVISOR	DATE	APPROVED
A	Creating datasheet	ZC.Wu	2021/11/10	-

Features:

- Operating frequency range:2515MHz to 2675MHz
- Operating temperature range: -40°C to +100°C
- Storage temperature range: -40°C to +100°C
- BeOfree & RoHS compliant

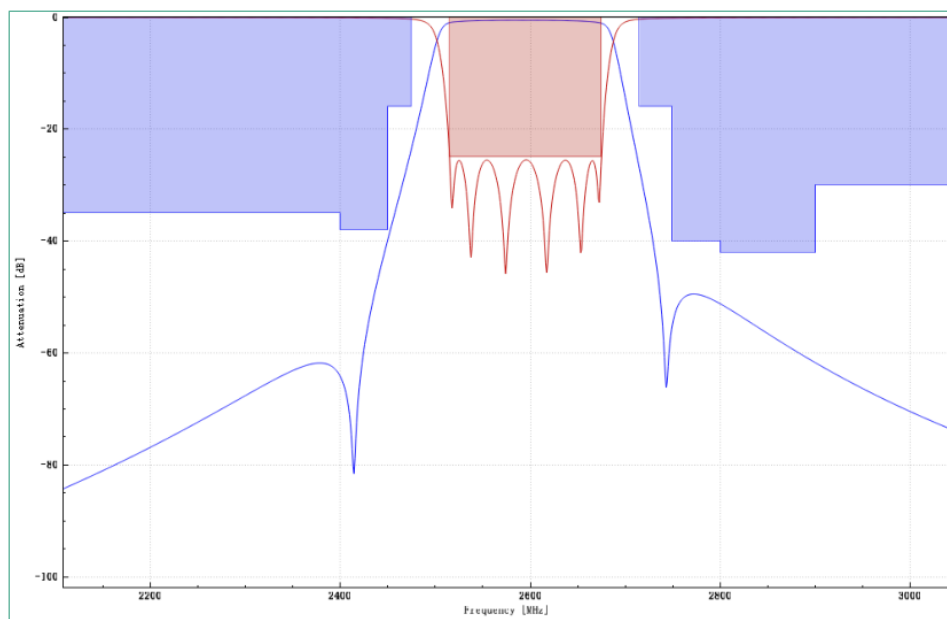


Electrical Specifications:

ITEM	SPECIFICATION	
Center frequency (f_0)	2595	MHz
Bandwidth (BW)	$f_0 \pm 80$	MHz
Impedance	Typ: 50	Ω
Insertion Loss in BW (Max.)	1.8@25°C	dB
Return Loss in BW (Min.)	15	dB
Attenuation[Absolute Value] (Min.)	35@2000 MHz -2400MHz 38@2400 MHz -2450MHz 16@2450 MHz -2475MHz 16@2715 MHz -2750MHz 40@2750 MHz -2800MHz 42@2800 MHz -2900MHz 30@2900 MHz -3300MHz 46@3300 MHz -3900MHz 20@3900 MHz -4400MHz 40@4400 MHz -4900MHz 7 @4900 MHz -8000MHz	dB
Input Power	2(avg.)/20 (peak)	W
Operating temperature	-40~+100	°C

Notes:

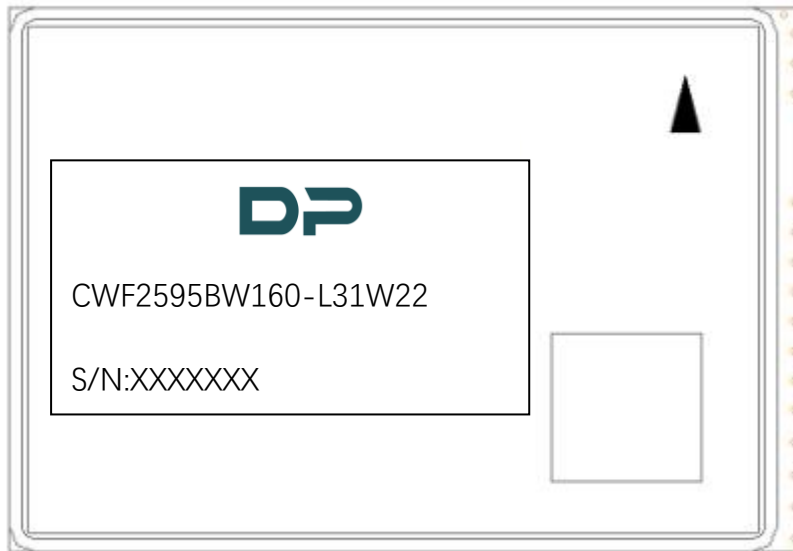
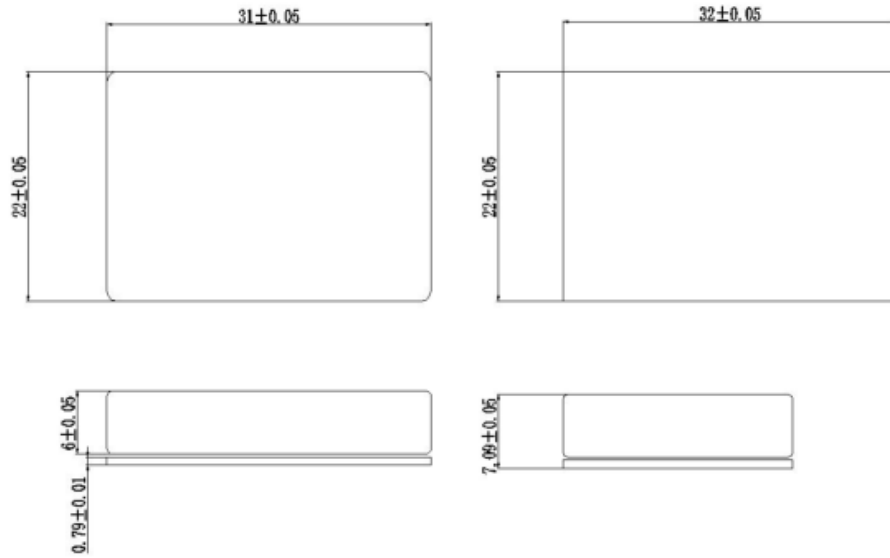
1. Exposure to maximum rating conditions for extended periods may reduce device reliability. There is no damage to device with only one parameter set at the limit and all other parameters set at or below their nominal value. Exceeding any of the limits listed here may result in permanent damage to the device.
2. Performance is guaranteed under the conditions listed in this table and over the operating temperature range.





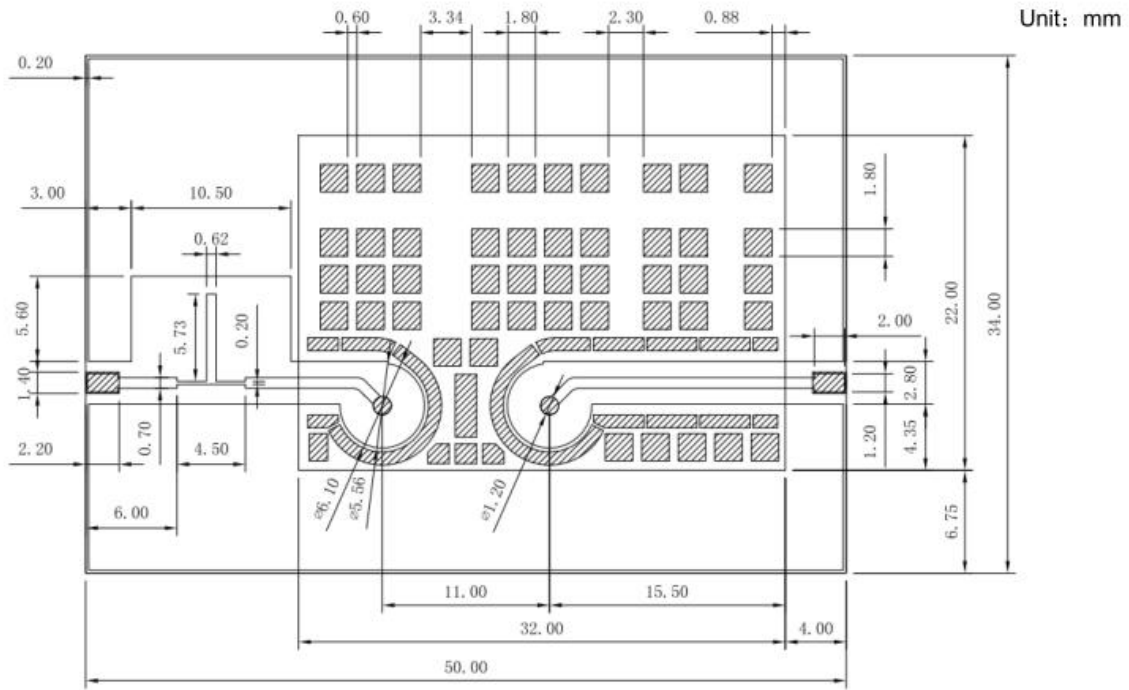
Mechanical Specifications:

Unit: mm





Soldering pad definition:



PCB stack-up

		Thickness/mm	Notes
Layer 1	Copper	0.035	Matching Micro-stripline
Core	FR4-S0401 (7628M)	0.42	
Layer 2	Copper	0.035	Reference GND



SMT reflow temperature curve:

