



# DLY0013A

## Band 25 UL RF Delay Filter

### Features

- Flat group delay response

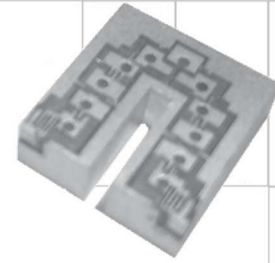
### Applications

- Wireless Infrastructure applications

### Description

Surface mount ceramic RF delay filter.

Part Dimensions: 10.0 × 3.7 × 11.0 mm • 2.0 g  
Materials: Ag plated ceramic block



### Electrical Specifications

Parameter	Frequency (MHz)	Typical at 25°C	Spec. at 25°C	Spec. over -40°C to +85°C
Nominal Impedance	-	50 ohms	-	-
Average Input Power	-	-	-	1.0 Watt max
Peak Input Power	-	-	-	10.0 Watt max

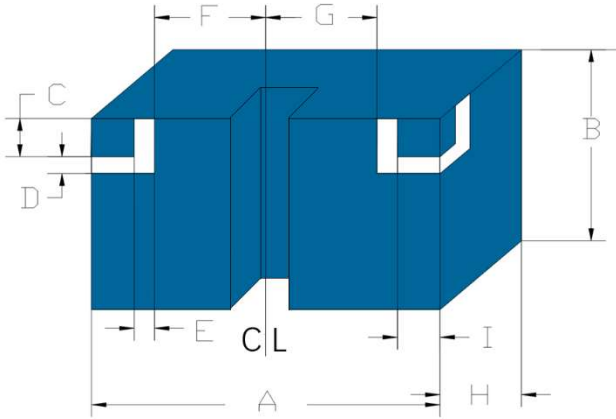
#### Input-Output Response

Passband Insertion Loss (5 MHz avg)	1850 - 1915	3.2 dB	3.5 dB max	3.8 dB max
Passband Amplitude Ripple (whole band)	1850 - 1915	0.4 dB	0.5 dB max	0.5 dB max
Passband Return Loss	1850 - 1915	14 dB	11.5 dB min	11.5 dB min
Passband Group Delay	1850 - 1915	18 ns	17-20 ns	17-20 ns
Group Delay Ripple (any 20MHz)	1850 - 1915	1.8 ns	2.0 ns max	2.0 ns max

Note: CTS tests each unit to the critical specifications above. Subsequent audits may deviate due to repeatability among different test systems which shall not exceed these allowances.

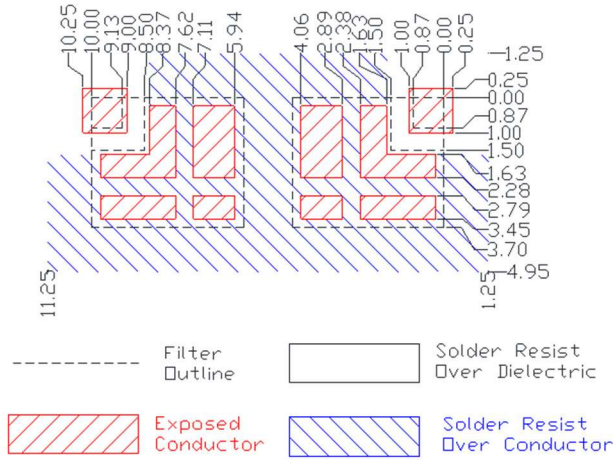
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Attenuation	1.0 dB

### Mechanical Drawing

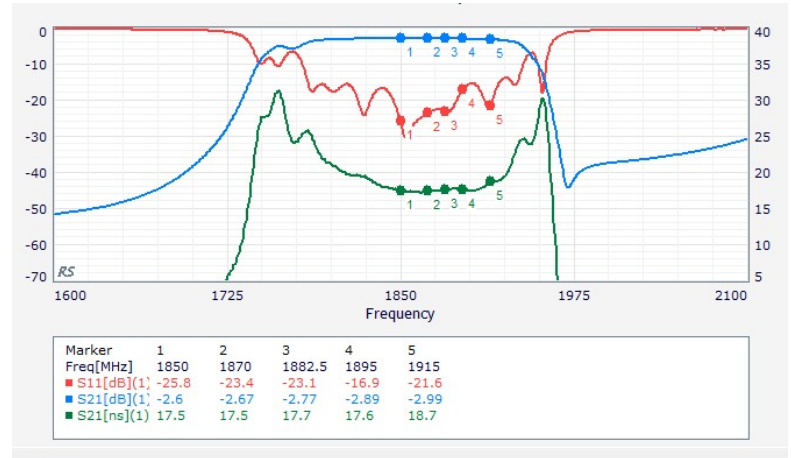


Dim.	Nominal (mm)	Tolerance (±mm or Max)
A	10.0	0.5
B	3.70	max
C	1.00	0.13
D	0.50	0.13
E	0.50	0.13
F	3.50	0.13
G	3.50	0.13
H	11.0	max
I	1.00	0.13

### PCB Layout



### Electrical Response



### Packaging and Marking

Dimension	Units	Spec.	Product Marking
Reel Diameter	mm	330	<div style="border: 1px solid black; padding: 2px; display: inline-block;">                     CTS 013 YWW                 </div>
Reel Weight	kg	2.5	
Reel Quantity	ea.	1000	

$W_o$	$A_o$	$B_o$	$K_o$	$P_o$
0.945 in 24.0 mm	0.150 in 3.80 mm	0.417 in 10.60 mm	0.453 in 11.5 mm	0.472 in 12.0 mm

