



DLY0014A

Band 25 DL RF Delay Filter

Features

- Flat group delay response

Applications

- Wireless Infrastructure applications

Description

Surface mount ceramic RF delay filter.

Part Dimensions: 10.0 × 3.5 × 11.0 mm • 1.9 g
Materials: Ag plated ceramic block

Electrical Specifications

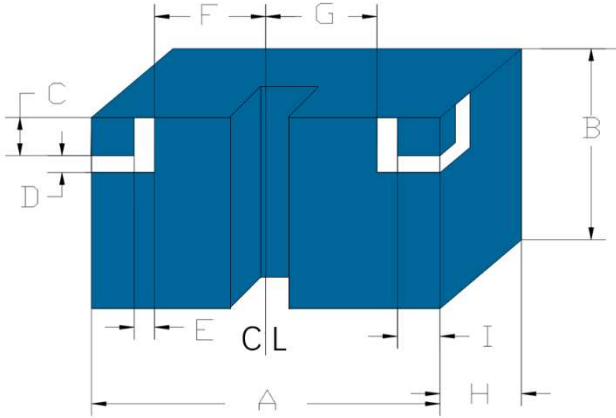
Parameter	Frequency (MHz)	Typical at 25°C	Spec. at 25°C	Spec. over -40°C to +85°C
Nominal Impedance	-	50 ohms	-	-
Average Input Power	-	-	-	1.0 Watt max
Peak Input Power	-	-	-	10.0 Watt max

Input-Output Response

Passband Insertion Loss (5 MHz avg)	1930 - 1995	3.2 dB	3.5 dB max	3.8 dB max
Passband Amplitude Ripple (whole band)	1930 - 1995	0.4 dB	0.5 dB max	0.5 dB max
Passband Return Loss	1930 - 1995	14 dB	11.5 dB min	11.5 dB min
Passband Group Delay	1930 - 1995	18 ns	17-20 ns	17-20 ns
Group Delay Ripple (any 20MHz)	1930 - 1995	1.8 ns	2.0 ns max	2.0 ns max

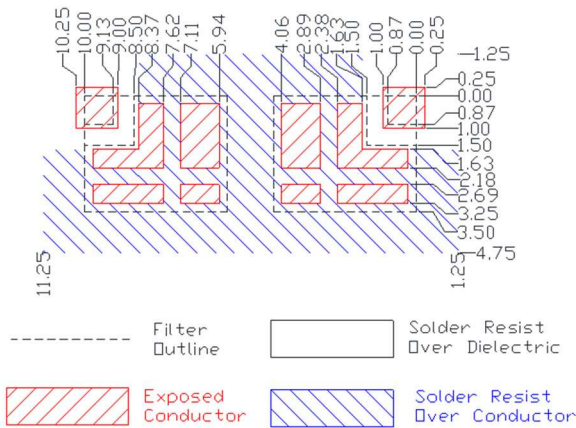
Note: CTS tests each unit to the critical specifications above. Subsequent audits may deviate due to repeatability among different test systems which shall not exceed these allowances.

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

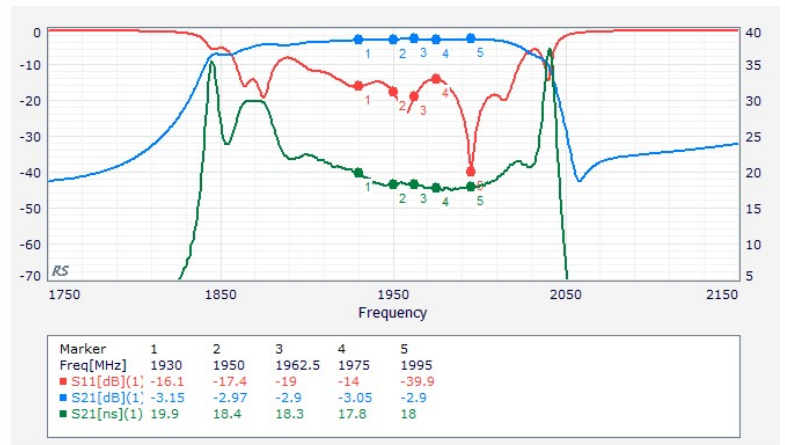


Dim.	Nominal (mm)	Tolerance (±mm or Max)
A	10.0	0.5
B	3.50	max
C	1.00	0.13
D	0.50	0.13
E	0.50	0.13
F	3.50	0.13
G	3.50	0.13
H	11.0	Max
I	1.00	0.13

PCB Layout



Electrical Response



Packaging and Marking

Dimension	Units	Spec.	Product Marking
Reel Diameter	mm	330	CTS
Reel Weight	kg	2.5	014
Reel Quantity	ea.	1000	YWW

W_o	A_o	B_o	K_o	P_o
0.945 in 24.0 mm	0.138 in 3.50 mm	0.417 in 10.60 mm	0.453 in 11.5 mm	0.472 in 12.0 mm

Customer Feed Direction → → →

