

Description: 2520 LB/JB-HB/n78-5GHz Triplexer

PART NUMBER: TPX2520LKTAR0924L

Features:

Compact Size

Applications:

For LTE/NR application

- Low loss
- High Soldering Heat Resistance

ELECTRICAL SPECIFICATIONS

Low band Item Frequency Range (GHz) Min. Typ. Max.					
nem		IVIIII.			
Insertion loss (dB)	0.5~0.798	-	0.45	0.65	
	0.815~0.894	-	0.55	0.70	
	0.88~0.915	-	0.59	0.75	
	0.915~0.96	-	0.71	0.95	
Return loss (dB)	0.5~0.96	10	18	-	
Attenuation (dB)	1.427~2.69	12	14	-	
	1.575~1.61	22	24	-	
	3.3~3.4	40	46	-	
	3.4~3.8	40	48	-	
	3.8~4.2	40	50	-	
	4.4~5.0	40	46	-	
	5.15~5.925	35	41	-	

Item	Frequency Range (GHz)	Min.	Тур.	Max.
	1.427~1.511	-	1.15	1.45
lass for lass (JD)	1.71~1.88	-	0.67	1.00
	1.88~1.92	-	0.60	0.95
Insertion loss (dB)	1.93~2.2	-	0.59	0.95
	2.3~2.4	-	0.71	1.00
	2.496~2.69	-	1.12	1.45
Return loss (dB)	1.427~2.69	10	13	-
	0.5~0.96	18	20	-
	3.3~3.4	20	23	-
Attenuation (dP)	3.4~3.8	23	25	-
Attenuation (dB)	3.8~4.2	30	33	-
	4.5~5.0	30	33	-
	5.15~5.925	27	30	-

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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For more information:

Pulse Worldwide Headquarters 15255 Innovation Drive #100 San Diego, CA 92128 USA Tel:1-858-674-8100

Pulse/Larsen Antennas 18110 SE 34th St Bldg 2 Suite 250 Vancouver, WA 98683 USA Tel: 1-360-944-7551

Europe Headquarters Pulse GmbH & Do, KG Zeppelinstrasse 15 Herrenberg, Germany Tel: 49 7032 7806 0

Pulse (Suzhou) Wireless Products Co, Inc. 99 Huo Ju Road(#29 Bldg,4th Phase Suzhou New District Jiangsu Province, Suzhou 215009 PR China Tel: 86 512 6807 9998





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High band				
Item	Frequency Range (GHz)	Min.	Тур.	Max.
Insertion loss (dB)	3.3~3.4	-	0.73	0.95
	3.4~3.6	-	0.61	0.85
	3.6~3.8	-	0.53	0.80
	3.8~4.2	-	0.52	0.70
	4.4~5.0	-	0.49	0.70
	5.15~5.925	-	0.67	0.85
Return loss (dB)	3.3~5.925	10	15	-
Attenuation (dB)	0.5~0.96	19	21	-
	1.427~2.69	15	17	-
	10.3~11.85	19	22	-

ELECTRICAL SPECIFICATIONS

Common

Item	Frequency Range (GHz)	Min.	Тур.	Max.
Return loss (dB)	0.5~0.96	10	18	-
	1.427~2.69	10	13	-
	3.3~5.925	10	15	-

Isolation

Item	Frequency Range (GHz)	Min.	Тур.	Max.
Low to Middle band (dB)	0.5~0.96	19	21	-
	1.427~2.69	10	13	-
	3.3~5.925	25	27	-
Middle to High band (dB)	0.5~0.96	35	40	-
	1.427~2.69	15	18	-
	3.3~5.925	21	23	-
Low to High band (dB)	0.5~0.96	19	21	-
	1.427~2.69	30	32	-
	3.3~5.925	35	42	-

Operating Temperature Range : -40~85°C

Power Capacity : 3W max.



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Reference design of EVB



Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

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MEASURING DIAGRAM



Frequency Characteristics

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ELECTRICAL PERFORMANCES



Frequency Characteristics

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Description: 2520 LB/JB-HB/n78-5GHz Triplexer

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		REVISION HISTORY	
Revision	Date	Description	
Version 1	Mar. 10, 2022	- New issue	

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