

Product Name **Diplexer**
Series **DPX25 Series**
Part Number **DPX252500DT-5217A1**

Product Lifecycle Stage	Production
Environment Standards	RoHS, Pb Free

Specification

Mounting Method Flag	Yes	
Main-Character-1	Pass Band/Low Band=1572 to 1578MHz	
Main-Character-2	Pass Band/High Band=2400 to 2500MHz	
Application Scope	Communication	
Application System	GPS, W-LAN	
Function	Diplexer	
Center Frequency 1	Nom	1575 M Hz
Pass Bandwidth 1	Nom	6 M Hz
Frequency Bandwidth 1	Min	1572 M Hz
	Max	1578 M Hz
Area of Insertion Loss 1	Max	0.6 dB
Center Frequency 2	Nom	2450 M Hz
Pass Bandwidth 2	Nom	100 M Hz
Frequency Bandwidth 2	Min	2400 M Hz
	Max	2500 M Hz
Area of Insertion Loss 2	Max	2.7 dB
Area of VSWR	Max	2
Attenuation 1-1	Min	25 dB
Freq Range of Attenuation 1-1	Min	2400 M Hz
	Max	2500 M Hz
Attenuation 2-1	Min	35 dB
Freq Range of Attenuation 2-1	Min	700 M Hz
	Max	960 M Hz
Attenuation 2-2	Min	35 dB
Freq Range of Attenuation 2-2	Min	1572 M Hz
	Max	1578 M Hz
Attenuation 2-3	Min	33 dB
Freq Range of Attenuation 2-3	Min	1710 M Hz
	Max	1990 M Hz
Attenuation 2-4	Min	25 dB
Freq Range of Attenuation 2-4	Min	2110 M Hz
	Max	2170 M Hz
Attenuation 2-5	Min	35 dB
Freq Range of Attenuation 2-5	Min	4800 M Hz
	Max	5000 M Hz
Attenuation 2-6	Min	35 dB
Freq Range of Attenuation 2-6	Min	7200 M Hz
	Max	7500 M Hz
Input Matching Impedance	Nom	50 Ohm
Output Matching Impedance	Nom	50 Ohm
Soldering Method	Reflow	
LW_Size	2.5mm x 2.0mm	
Body Length(L)	Nom	2.5 m m
Body Breadth(W)	Nom	2 m m
Body Height(T)	Nom	0.9 m m
Body Height(T)	Max	1 m m
Process	LTCC	
Operating Temperature Range	Min	-40 Cel
	Max	85 Cel
Storage Temperature Range	Min	-40 Cel
	Max	85 Cel
Weight	Nom	0.016 g

Summary/Applications/Features

Summary	A device that Routes two different frequencies from a common port. Example One antenna port car route 2.4GHz and 5GHz signals.
Applications	Mobile Phone, Wireless LAN etc.
Features	Compact, High performance

Packaging

Packing	Blister (Plastic)Taping [180mm Reel]	
Minimum Package Qty	Nom	2000 Pcs
Minimum Order Qty	Nom	2000 Pcs

[Catalog Info.](#)

Specifications which provide more details for the proper and safe use of the described product are available upon request.

● [**Notice of Revision and Improve**]

All specifications are subject to change without notice.

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