

Diplexer Cellular,Wi-Fi and Tetra
2501.17.0092

Properties

- It combines and separates the bands 80 MHz-960MHz and 1695 MHz-2700 MHz
- compact size
- 120 W Power handling
- N female interface
- IP64 rating
- Meets EN50155:2007 (Class T3)



Port defenition (common)			
Port designation	Interface	Gender	Impedance
J3	N	jack (female)	50 Ω

Electrical bands		
	Band 1	Band 2
Frequency range	80 MHz ... 960 MHz	1695 MHz ... 2700 MHz
Return loss	≥ 20 dB	≥ 20 dB
Insertion loss	≤ 0.3 dB	≤ 0.5 dB
Composit power max	120 W	120 W
Peak envelope power	3000 W	3000 W
Intermodulation distortion	≤ -155 dBc	≤ -155 dBc
@ 2 x carrier power	43 dBm	43 dBm
Port designation	J2	J1
Connector series	N	N
Gender	jack (female)	jack (female)

Electrical data (rejection)	
Band to band	value
Port to Port Isolation	≥ 50 dB

Electrical remarks	
Remarks	Current rating: DC path J2 to J3: 2 A max. DC path J1 to J3: isolated PIM -161dBc typ.

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Mechanical data	
Weight	0.55 kg
Width	106.7 mm
Height	31.8 mm
Depth	122.3 mm
Housing material and surface treatment	Aluminium / Passivated

Environmental data	
Environment (application)	Indoor
Operation temperature	-35 °C ... 70 °C
Storage temperature	-35 °C ... 70 °C
Transport temperature	-35 °C ... 70 °C
Ingress protection (IP Rating)	IP64

Ordering Information Table	
Item number	Item description
84103626	2501.17.0092

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