



Interference mitigation filter with pass band 700MHz, single unit, 1-input / 1-output, N female, -155dBc, indoor application.

## General Specifications

Product Type	Interference Mitigation Filter
Frequency Pass Band	700-750 MHz
Input / Output	1-input and 1-output
Structure	Single Unit
Connector Interface	N female

## Electrical Specifications

Frequency Pass Band	700-750 MHz
Frequency Stop Band	757-758MHz
Return Loss	$\leq -20.8$ dB
VSWR	$\leq 1.20$
Insertion Loss	$\leq 0.5$ dB
Rejection	$\geq 33$ dB
Intermodulation (3rd order)	$\leq -155\text{dBc}@2\times 43\text{dBm}$
Power Handling	200 watts per port
Impedance	50 ohms

## Material Specifications

Cavity	Cavity Enclosure	Aluminum alloy
	Cavity Outer Surface Treatment	Painting
	Cavity Inner Surface Treatment	Cu3Ag1
Connector	Inner Conductor	Aluminum alloy
	Inner Conductor Surface Treatment	Ag1
	Outer Conductor	Brass
	Outer Conductor Surface Treatment	Tri-metal CuSnZn3
	Inner Conductor	Brass
	Inner Conductor Surface Treatment	Ag1
	Insulator	PTFE/TPX
	Gasket	Silicon rubber

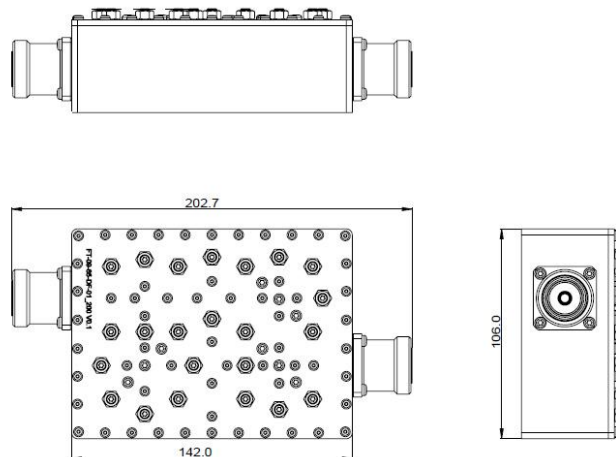
## Mechanical Specifications

Dimension	207×142×54 (mm, excluding connectors and brackets)
Weight	1.5 kg
Connectors Type	N female
Mounting	Plane
Packing	1pcs in box

## Environmental Specifications

Operating Temperature	-40 °C to +65 °C
Storage Temperature	-45 °C to +85 °C
Relative Humidity	5% - 95%
Application	Indoor

## Outline Drawing



## Regulatory Compliances

ISO 9001:2015	Compliant
ROHS	Compliant
China RoHS	Compliant
UK RoHS	Compliant
REACH	Compliant
EU/CE	Compliant

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