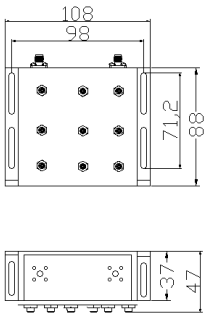
腔体带通滤波器

KXT-BF-21102170 LTE Band 1 下行

项目	指标
工作频率	2110–2170 MHz
带宽	60 MHz
插入损耗	≤ 1.5 dB
带内波动	≤ 1.2 dB
端口驻波	≤ 1.3
回波损耗	≥ 17.7 dB（由驻波换算）
功率容量	≥ 100 W 平均
接头	SMA 母头
工作温度	−30 °C ~ +70 °C
外形尺寸	108 × 88 × 47 mm
外观	铝合金腔体，导电氧化，本色；可做黑色



带外抑制 / 端口隔离

端口	频段或频点	指标
—	300–400 MHz	≥ 85 dB
—	500–600 MHz	≥ 85 dB
—	703–748 MHz	≥ 85 dB
—	935–960 MHz	≥ 80 dB
—	1710–1785 MHz	≥ 80 dB
—	1920–1980 MHz	≥ 60 dB
—	2515–2675 MHz	≥ 60 dB
—	3000–3300 MHz	≥ 20 dB

本系列统一规范（订货与出厂）

特性阻抗	50 Ω
使用场合	室内型
腔体	铝合金，导电氧化
测试条件	25 °C，50 Ω，矢量网络分析仪
低互调订货档	PIM3 ≤ −150 dBc @ 2×43 dBm
湿度	0 ~ 95% RH
储存温度	−30 °C ~ +70 °C
机械	外形见图。

说明

· 原稿插损、波动未写不等号，本版按最大允许值规范为 ≤。
· 回波损耗由端口驻波比 ≤ 1.3 换算：RL = −20 log10((VSWR−1)/(VSWR+1)) ≈ 17.7 dB。
· 低互调档是订货选项。原稿没有给出实测互调，未选该档时不作为本页保证值。需要时按 2×43 dBm 测试并附报告。
· 规格来源：2110-2170滤波器技术规格书.docx

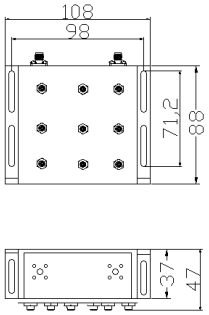
订货写法：KXT-BF-21102170 + 接头公母 + 颜色（本色/黑色） + 是否低互调档 + 数量。

English

Cavity Bandpass Filter

KXT-BF-21102170 LTE Band 1 downlink

Item	Specification
Passband	2110–2170 MHz
Bandwidth	60 MHz
Insertion loss	≤ 1.5 dB
Passband ripple	≤ 1.2 dB
VSWR	≤ 1.3
Return loss	≥ 17.7 dB (from VSWR)
Power handling	≥ 100 W average
Connector	SMA female
Operating temperature	−30 °C ~ +70 °C
Outline	108 × 88 × 47 mm
Finish	Aluminum cavity, conductive oxidation, natural; black on request



Rejection / port isolation

Port	Band or point	Limit
—	300–400 MHz	≥ 85 dB
—	500–600 MHz	≥ 85 dB
—	703–748 MHz	≥ 85 dB
—	935–960 MHz	≥ 80 dB
—	1710–1785 MHz	≥ 80 dB
—	1920–1980 MHz	≥ 60 dB
—	2515–2675 MHz	≥ 60 dB
—	3000–3300 MHz	≥ 20 dB

Series standard (order and shipment)

Impedance	50 Ω
Use	Indoor
Construction	Aluminum alloy, conductive oxidation
Test condition	25 °C, 50 Ω, vector network analyzer
Low-PIM order option	PIM3 ≤ −150 dBc @ 2×43 dBm
Humidity	0 ~ 95% RH
Storage	−30 °C ~ +70 °C
Mechanical	Outline as drawn.

Notes

· The source sheet gave insertion loss and ripple without a symbol. This revision states them as maximum values (≤).
· Return loss is calculated from VSWR ≤ 1.3: RL = −20 log10((VSWR−1)/(VSWR+1)) ≈ 17.7 dB.
· Low PIM is an order option. The source sheet has no measured PIM, so it is not a guaranteed value unless that option is ordered and reported.
· Source specification: 2110-2170滤波器技术规格书.docx

Order as: KXT-BF-21102170 + connector gender + finish (natural/black) + low-PIM option + quantity.