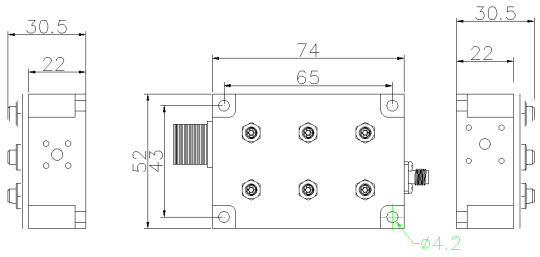
腔体带通滤波器

KXT-BF-24002485 2.4 GHz 低插损腔体

项目	指标
工作频率	2400–2485 MHz
带宽	85 MHz
插入损耗	≤ 0.6 dB
带内波动	≤ 0.4 dB
端口驻波	≤ 1.3
回波损耗	≥ 17.7 dB（由驻波换算）
功率容量	50 W 平均
接头	N 母头或 SMA
工作温度	−20 °C ~ +60 °C
外形尺寸	74 × 52 × 30.5 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
—	20–530 MHz	≥ 70 dB
—	758–960 MHz	≥ 70 dB
—	1805–1920 MHz	≥ 70 dB
—	2010–2170 MHz	≥ 70 dB
—	2310–2675 MHz	≥ 70 dB
—	3300–3600 MHz	≥ 70 dB
—	4800–4960 MHz	≥ 70 dB
—	5150–5350 MHz	≥ 70 dB
—	5725–5875 MHz	≥ 70 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	−20 °C ~ +60 °C
机械	外形见图。

说明

· 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：滤波器规格.docx

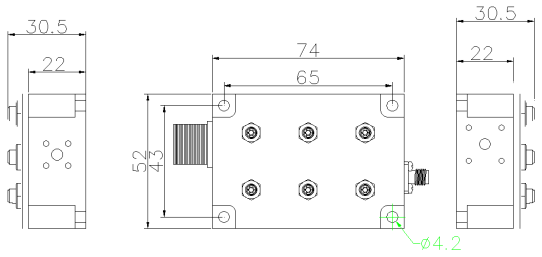
订货写法：KXT-BF-24002485 + 接头公母 + 颜色（本色/黑色） + 是否低互调档 + 数量。

English

Cavity Bandpass Filter

KXT-BF-24002485 2.4 GHz low-loss cavity

Item	Specification
Passband	2400–2485 MHz
Bandwidth	85 MHz
Insertion loss	≤ 0.6 dB
Passband ripple	≤ 0.4 dB
VSWR	≤ 1.3
Return loss	≥ 17.7 dB (from VSWR)
Power handling	50 W average
Connector	N female or SMA
Operating temperature	−20 °C ~ +60 °C
Outline	74 × 52 × 30.5 mm
Finish	Aluminum cavity, conductive oxidation, natural; black on request



Rejection / port isolation

Port	Band or point	Limit
—	20–530 MHz	≥ 70 dB
—	758–960 MHz	≥ 70 dB
—	1805–1920 MHz	≥ 70 dB
—	2010–2170 MHz	≥ 70 dB
—	2310–2675 MHz	≥ 70 dB
—	3300–3600 MHz	≥ 70 dB
—	4800–4960 MHz	≥ 70 dB
—	5150–5350 MHz	≥ 70 dB
—	5725–5875 MHz	≥ 70 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	−20 °C ~ +60 °C
Mechanical	Outline as drawn.

Notes

· 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: 滤波器规格.docx

Order as: KXT-BF-24002485 + connector gender + finish (natural/black) + low-PIM option + quantity.