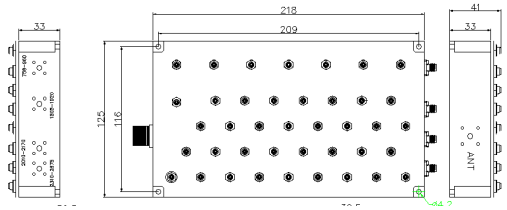
四端口腔体合路器

KXT-CM4-WIDE 700/900 + 1800 + 2100 + 2300/2600

项目	指标
CH1 工作频率	758–960 MHz
CH1 带宽	202 MHz
CH1 插入损耗	≤ 0.8 dB
CH1 带内波动	≤ 0.5 dB
CH1 端口驻波	≤ 1.3
CH1 回波损耗	≥ 17.7 dB（由驻波换算）
CH2 工作频率	1805–1920 MHz
CH2 带宽	115 MHz
CH2 插入损耗	≤ 1.0 dB
CH2 带内波动	≤ 0.6 dB
CH2 端口驻波	≤ 1.3
CH2 回波损耗	≥ 17.7 dB（由驻波换算）
CH3 工作频率	2010–2170 MHz
CH3 带宽	160 MHz
CH3 插入损耗	≤ 1.0 dB
CH3 带内波动	≤ 0.6 dB
CH3 端口驻波	≤ 1.3
CH3 回波损耗	≥ 17.7 dB（由驻波换算）
CH4 工作频率	2310–2675 MHz
CH4 带宽	365 MHz
CH4 插入损耗	≤ 0.8 dB
CH4 带内波动	≤ 0.5 dB
CH4 端口驻波	≤ 1.3
CH4 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	218 × 125 × 41 mm
外观	铝合金腔体，导电氧化



带外抑制 / 端口隔离

端口	频段或频点	指标
CH1	20–530 MHz	≥ 70 dB
CH1	1805–1920 MHz	≥ 70 dB
CH1	2010–2170 MHz	≥ 70 dB
CH1	2310–2675 MHz	≥ 70 dB
CH1	2400–2485 MHz	≥ 70 dB
CH1	3300–3600 MHz	≥ 70 dB
CH1	4800–4960 MHz	≥ 70 dB
CH1	5150–5350 MHz	≥ 70 dB
CH1	5725–5875 MHz	≥ 70 dB

CH2	20–530 MHz	≥ 70 dB
CH2	758–960 MHz †	≥ 70 dB
CH2	2010–2170 MHz	≥ 70 dB
CH2	2310–2675 MHz	≥ 70 dB
CH2	2400–2485 MHz	≥ 70 dB
CH2	3300–3600 MHz	≥ 70 dB
CH2	4800–4960 MHz	≥ 70 dB
CH2	5150–5350 MHz	≥ 70 dB
CH2	5725–5875 MHz	≥ 70 dB
CH3	20–530 MHz	≥ 70 dB
CH3	758–960 MHz †	≥ 70 dB
CH3	1805–1920 MHz	≥ 70 dB
CH3	2310–2675 MHz	≥ 70 dB
CH3	2400–2485 MHz	≥ 70 dB
CH3	3300–3600 MHz	≥ 70 dB
CH3	4800–4960 MHz	≥ 70 dB
CH3	5150–5350 MHz	≥ 70 dB
CH3	5725–5875 MHz	≥ 70 dB
CH4	20–530 MHz	≥ 70 dB
CH4	758–960 MHz †	≥ 70 dB
CH4	1805–1920 MHz	≥ 70 dB
CH4	2010–2170 MHz	≥ 70 dB
CH4	2400–2485 MHz	≥ 70 dB
CH4	3300–3600 MHz	≥ 70 dB
CH4	4800–4960 MHz	≥ 70 dB
CH4	5150–5350 MHz	≥ 70 dB
CH4	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。
· 带 † 的隔离见备注。
· 带 † 的 758–960 MHz 隔离，原稿该端口未写，按其余端口同一 ≥70 dB 交叉隔离补齐。CH4 原稿「1805-1920MH」少一个字母，按 1805–1920 MHz 读。
· 规格来源：四端口合路器规格.docx

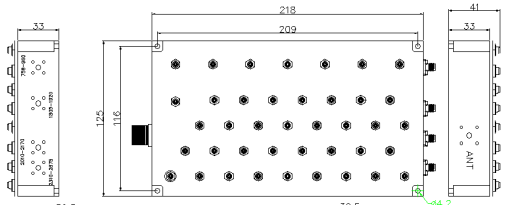
订货写法：KXT-CM4-WIDE + 接头公母 + 颜色（本色/黑色） + 是否低互调档 + 数量。

English

4-port Cavity Combiner

KXT-CM4-WIDE 700/900 + 1800 + 2100 + 2300/2600

Item	Specification
CH1 Passband	758–960 MHz
CH1 Bandwidth	202 MHz
CH1 Insertion loss	≤ 0.8 dB
CH1 Passband ripple	≤ 0.5 dB
CH1 VSWR	≤ 1.3
CH1 Return loss	≥ 17.7 dB (from VSWR)
CH2 Passband	1805–1920 MHz
CH2 Bandwidth	115 MHz
CH2 Insertion loss	≤ 1.0 dB
CH2 Passband ripple	≤ 0.6 dB
CH2 VSWR	≤ 1.3
CH2 Return loss	≥ 17.7 dB (from VSWR)
CH3 Passband	2010–2170 MHz
CH3 Bandwidth	160 MHz
CH3 Insertion loss	≤ 1.0 dB
CH3 Passband ripple	≤ 0.6 dB
CH3 VSWR	≤ 1.3
CH3 Return loss	≥ 17.7 dB (from VSWR)
CH4 Passband	2310–2675 MHz
CH4 Bandwidth	365 MHz
CH4 Insertion loss	≤ 0.8 dB
CH4 Passband ripple	≤ 0.5 dB
CH4 VSWR	≤ 1.3
CH4 Return loss	≥ 17.7 dB (from VSWR)
Power handling	50 W average
Connector	N female or SMA
Operating temperature	−20 °C ~ +60 °C
Outline	218 × 125 × 41 mm
Finish	Aluminum cavity, conductive oxidation



Rejection / port isolation

Port	Band or point	Limit
CH1	20–530 MHz	≥ 70 dB
CH1	1805–1920 MHz	≥ 70 dB
CH1	2010–2170 MHz	≥ 70 dB
CH1	2310–2675 MHz	≥ 70 dB
CH1	2400–2485 MHz	≥ 70 dB
CH1	3300–3600 MHz	≥ 70 dB
CH1	4800–4960 MHz	≥ 70 dB
CH1	5150–5350 MHz	≥ 70 dB

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CH4	3300–3600 MHz	≥ 70 dB
CH4	4800–4960 MHz	≥ 70 dB
CH4	5150–5350 MHz	≥ 70 dB
CH4	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.
· Rows marked † were missing on that port in the source and are completed at the same ≥70 dB cross-isolation used on the other ports. A truncated «1805-1920MH» on CH4 is read as 1805–1920 MHz.
· Source specification: 四端口合路器规格.docx

Order as: KXT-CM4-WIDE + connector gender + finish (natural/black) + low-PIM option + quantity.