

客户 CUSTOMER:

日期 DATE:

纳入仕様书
SPECIFICATION

Preliminary

产品名称 PRODUCT NAME: Diplexer

贵司料号 YOUR PART NO.:

敝司料号 OUR PART NO.: MDPX21M2733P69-D28T

版本号 VERSION.: V1.0

接受 RECEPTION

THE SPECIFICATION HAS BEEN ACCEPTED.

该纳入仕様书已被我司接受

日期:
DATE:公司:
COMPANY:批准
CFMD审核
CHKD接收
RCVD

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MANUFACTURING NAME

深圳市麦捷微电子科技股份有限公司

SHENZHEN MICROGATE TECHNOLOGY CO., LTD

TEL: 86-755-28085000

FAX: 86-755-28085605

CFMD. 批准	CHKD. 审核	DSGD. 担当
梁启新	付迎华	曾艳峰

深圳市麦捷微电子科技股份有限公司

地址: 深圳市龙华新区观澜街道高尔夫大道裕新路

电话(Tel): 0755-28085000

传真(Fax): 0755-28085605

邮编(Postcode): 518110

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纳入仕様书改定履历 MODIFY HISTORY OF SPECIFICATION

NO.	DATE	CONTENT	APPROVED
1	2020.08.20	初稿 Constitute	梁启新

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4 测试条件 Testing Conditions

除非另有规定，否则在以下条件下测试 <Unless otherwise specified>

温度 Temperature : Ordinary Temperature (-40 to +85°C)

湿度 Humidity : Ordinary Humidity (25 to 85% RH)

大气压强 Atmospheric Pressure : 86 to 106 kPa

5 电气性能 Electrical Characteristics

操作温度范围 Operating Temperature Range : -40 to +85°C

保存温度范围 Storage Temperature Range : -40 to +85°C

No.	Item (项目)		Frequency (频率)	Specifications (特性)			Notes
				下限值 Min.	典型值 Typ.	上限值 Max.	
5.1	Insertion Loss (in f1) 插入损耗		699~2700 MHz		0.72		+25°C
					-		-40 to+85°C
5.2	Insertion Loss (in f2) 插入损耗		3300~3400 MHz		0.94		+25°C
			3400~3800 MHz		0.74		
			5150~5850 MHz		0.51		
			3300~3400 MHz		-		-40 to+85°C
			3400~3800 MHz		-		
			5150~5850 MHz		-		
5.3	V.S.W.R (in BW) 驻波比 (in f1 & f2)		699~2700 MHz		1.3		
			3300~3400 MHz		1.3		
			3400~3800 MHz		1.3		
			5150~5925 MHz		1.3		
5.4	Attenuation 阻带损耗 (in f1)		3300~3400 MHz		19.8		
			3400~5850 MHz		23		
5.5	Attenuation 阻带损耗 (in f2)		699~2700MHz		15.2		
5.6	Isolation 隔离度	Low Band to High Band	3300~3400 MHz		24.3		
			3400~5850 MHz		23.9		
5.7		High Band to Low Band	699~2700 MHz		15.2		
5.8	In/Output Impedance 输入/输出阻抗			50 Ω			
5.9	Power Capacity 功率容量			2.0 W Max.			

6 焊接条件 Recommended Soldering Conditions

1、焊剂 Flux, Solder

① 使用松香助焊剂，禁止使用卤化物含量超过 0.2wt% 的强酸性助焊剂。

Use rosin-based flux. Don't use highly acidic flux with halide content exceeding 0.2wt% (chlorine conversion value).

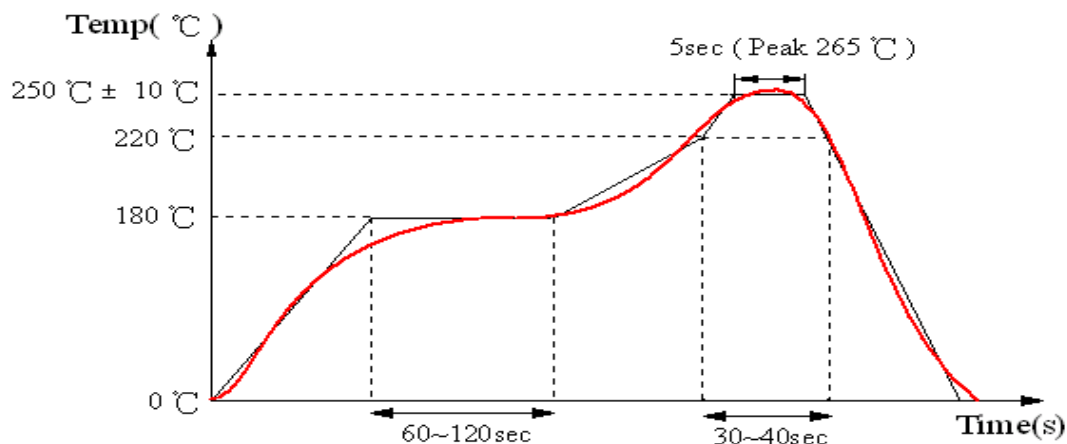
② 使用纯锡焊料 Use Sn solder.

2、回流焊条件 Reflow soldering conditions

● 预热时，产品表温与焊料温度的温差最大不允许超出 150℃，焊接完后冷却时，产品表温与溶剂温度之间的温差最大不允许超出 100℃。预热不足有可能引发产品表面裂纹，导致产品品质下降。

Pre-heating should be in such a way that the temperature difference between solder and product surface is limited to 150℃ max. Cooling into solvent after soldering also should be in such a way that temperature difference is limited to 100℃ max. Unwrought pre-heating may cause cracks on the product, resulting in the deterioration of products quality.

● 标准回流焊曲线 Standard soldering profile.



3、手工返工 Reworking with soldering iron

当使用电烙铁进行手工焊接时，以下条件必须严格遵守 The following conditions must be strictly followed when using a soldering iron.

预热 Pre-heating	150℃, 1 minute
尖端温度 Tip temperature	350℃ max
输出功率 Soldering iron output	80w max
电烙铁头尖端尺寸 End of soldering iron	φ3mm max
焊接时间 Soldering time	3 seconds max