



ISO9001 & ISO14001 & TS16949 **CHILISIN ELECTRONICS CORP.**

RoHS & Halogen Free & REACH Compliance.

SPECIFICATION FOR APPROVAL

CUSTOMER : Qisda

CUSTOMER P/N :

OUR DWG No :

QUANTITY : _____ **Pcs.** **DATE :** 2024/09/18

ITEM : W3918B0100F

SPECIFICATION

ACCEPTED BY:

**COMPONENT
ENGINEER**

**ELECTRICAL
ENGINEER**

**MECHANICAL
ENGINEER**

Simple.Zhang

APPROVED

Shine.Yang

REJECTED

奇力新電子股份有限公司

Chilisin Electronics Corp
No. 29, Alley 301, Tehhsin Rd.,
Hukou, Hsinchu 303, Taiwan
TEL : +886-3- 599-2646
FAX : +886-3- 599-9176
E-mail : sales@chilisin.com
http : //www.chilisin.com

東莞奇力新電子(東莞廠)有限公司

Chilisin Electronics (Dongguan) Co., Ltd.
No. 78, Puxing Rd., Yuliangwei Administration Area,
Qingxi Town, Dongguan City, Guangdong, China
TEL : +86-769-8773-0251~3
FAX : +86-769-8773-0232
E-mail : cect@chilisin.com

奇力新電子(越南廠)有限公司

Chilisin Electronics (Vietnam) Limited
No 143 - 145, Road No 10, VSIP Hai
Phong, Lap Le Commune, Thuy Nguyen
Dist, Haiphong City, Vietnam
Tel : 84-316 255 688 Fax : 84-316 255 689
E-mail : sales@chilisin.com

奇力新電子(湖南廠)有限公司

HuNan Chilisin Electronics Technology Co., Ltd
No. 8, Shaziao Liangshuijing Town, Yuanling County,
Huaihua City, Hunan Province 419601, China
Tel : 86-745-867-5882
E-mail : cect@chilisin.com

DRAWN BY
Simple.Zhang

CHECKED BY

APPROVED BY
Shine.Yang

[illegible]

Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3918B0100F****ELECTRICAL SPECIFICATIONS**

Antenna Type	Dipole
Frequency	2400-2500MHz 4900-7125MHz
Nominal Impedance	50 Ω
Return Loss	2400-2500MHz<-10db 4900-7125MHz<-6db
Radiation Pattern	Omni
Peak Gain	2.5+/-1dBi@2400-2500MHz 3.5+/-1dBi@4900-7125MHz
Efficiency	65%@2400-2500MHz 65%@4900-7125MHz
Polarization	Linear
Power Withstanding	5W

(*) All RF parameters measured on 2mm thick PC plate

Description: 2.4/4.9-7.125GHz FPC antenna**Series: Internal Antenna****PART NUMBER: W3918B0100F****MECHANICAL SPECIFICATIONS**

Radiator material	FPC
Color	Black
Adhesive	3M467
Thickness(with adhesive, no liner)	0.15mm
Weight	0.32g
FPC size(L X W X T)	35.2 X 8.5 X 0.15mm

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40 ~ +85 ° C
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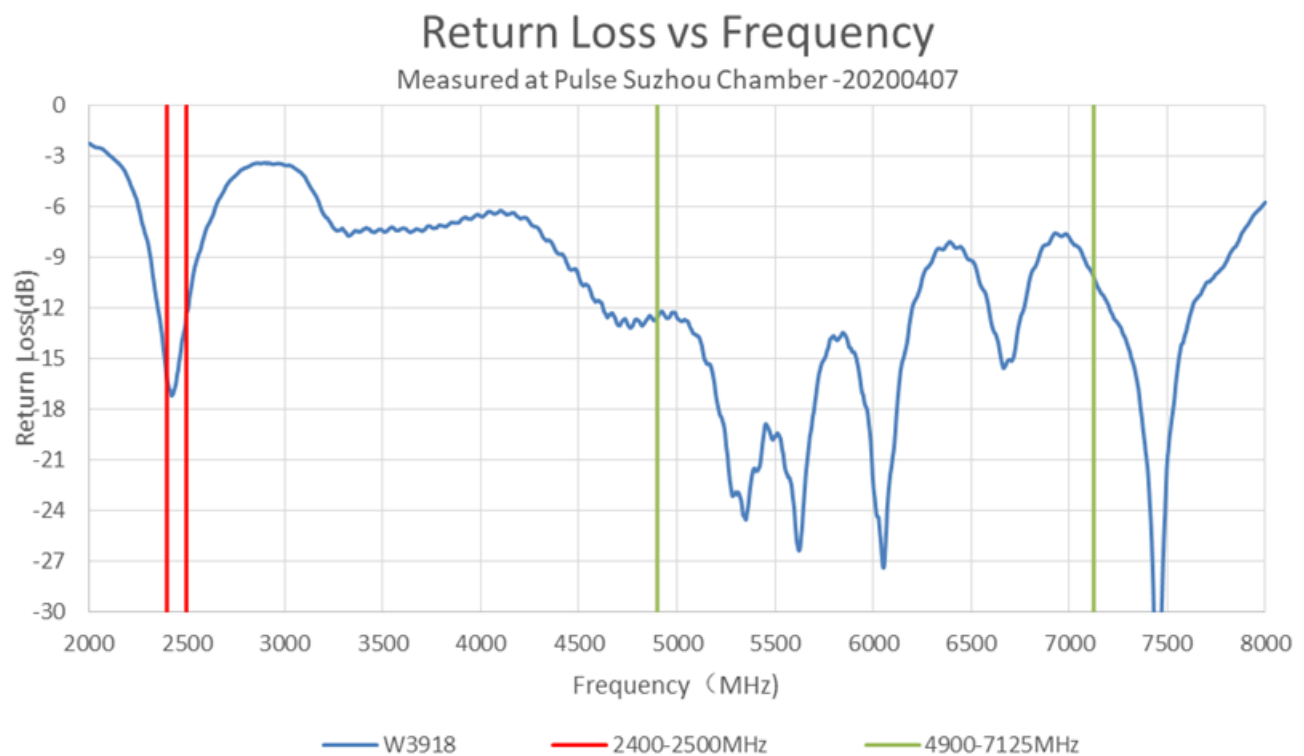
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918B0100F

CHARTS

Return Loss



(*) All RF parameters measured on 2mm thick PC plate

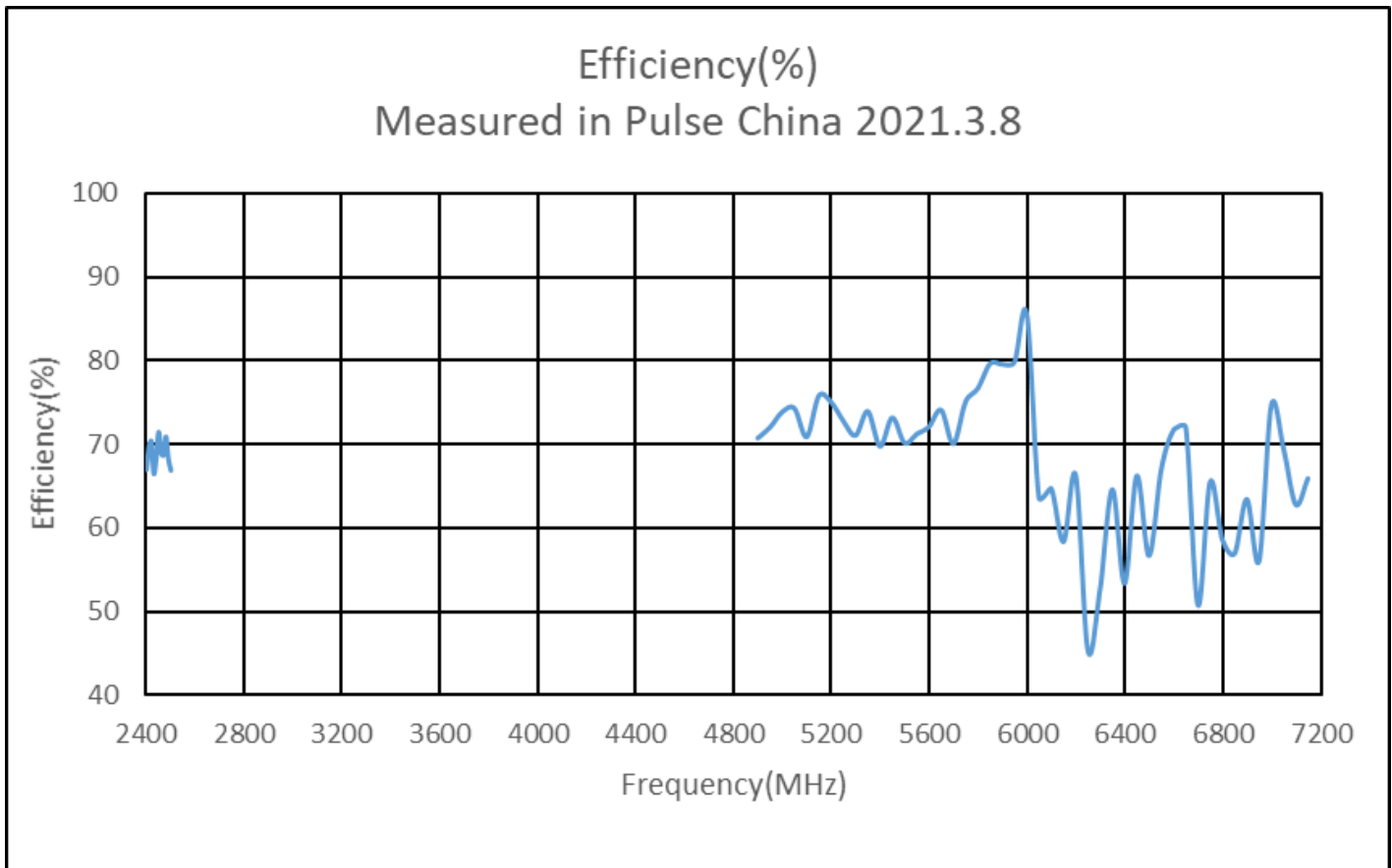
Description: 2.4/4.9-7.125GHz FPC antenna

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CHARTS

Efficiency



(*) All RF parameters measured on 2mm thick PC plate

Issue: 2110

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

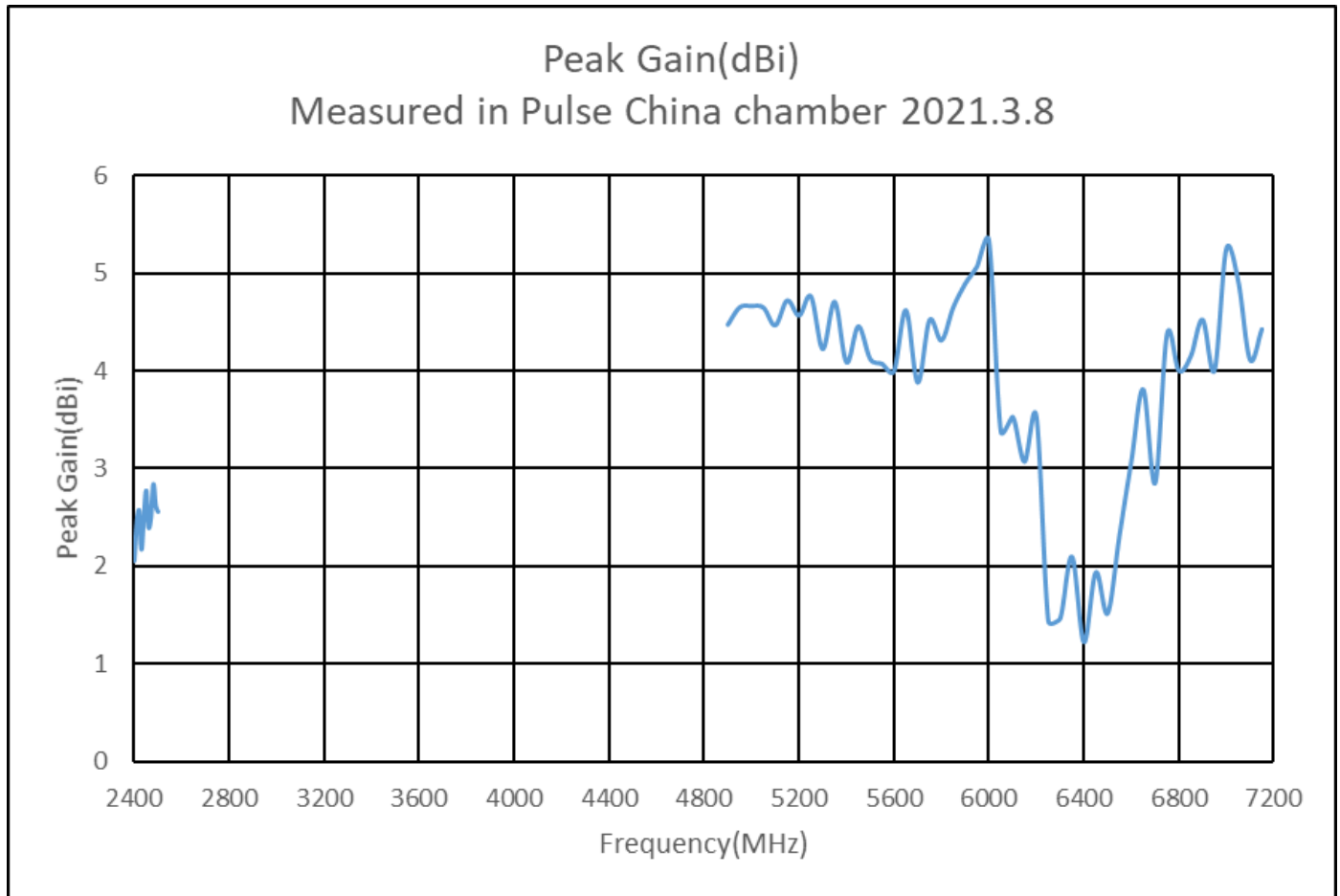
Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918B0100F

CHARTS

Peak Gain



(*) All RF parameters measured on 2mm thick PC plate

Issue: 2110

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Description: 2.4/4.9-7.125GHz FPC antenna

Series: Internal Antenna

PART NUMBER: W3918B0100F

PACKAGING

10PCS/PE bag

10 PE bag/foam bag

12 foam bag/ carton box

Total 1200PCS/Carton box

