

# Technical proposal for 300 to 1400MHz Coaxial Circulator

## Revision History

Version	Date	Author	Revision description	Comment
V1.0	2018/09/04	Lee	Created	/
V1.1	2020/12/02	Lee	Updated the model: <b>JX-CT-350M400M-20NF</b>	JingXin request

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### 1. Mechanical layout

Table 1 Mechanical specifications

Dimension	L x W x H: 56mm x 53mm x 20mm
Connectors	N-Female / N-Male
Ingress Protection	Indoor Use
Notes	Material shall be RoHS 6/6

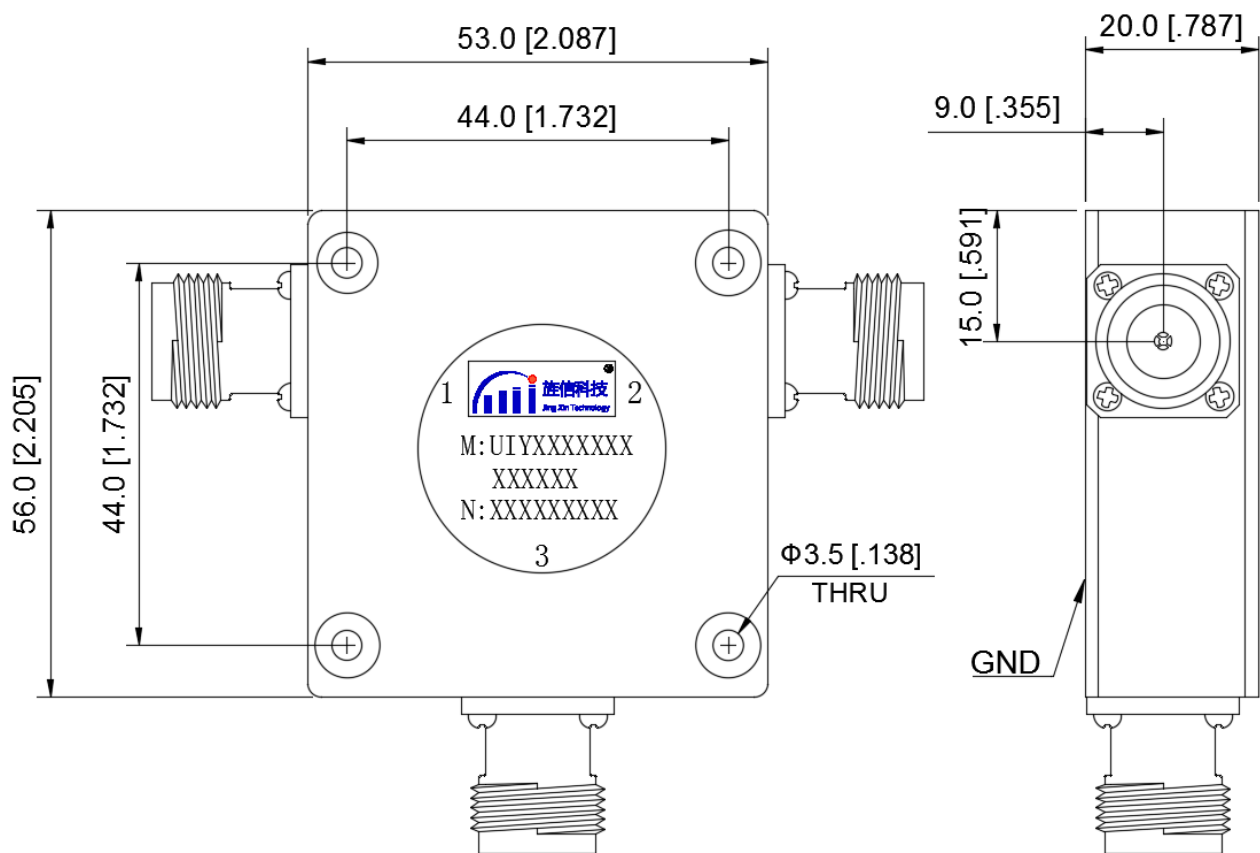


Figure 1 Circulator front panel layout

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## 2. Electrical specifications

Table 2 Electrical specifications

Model Number	Freq. Range (MHz)	Insertion Loss Max(dB)	Isolation Min(dB)	VSWR Max	Forward Power(W)	Reverse Power(W)	Connector Type	Temp.(°C)
JX-CT-300M350M-20NF	300 ~ 350	0.5	20	1.25	500	500	N-Female	-30 ~ +70
JX-CT-350M400M-20NF	350 ~ 400	0.5	20	1.25	500	500	N-Female	-30 ~ +70
JX-CT-350M400M-20NM	350 ~ 400	0.5	20	1.25	500	500	N-Male	-30 ~ +70
JX-CT-400M450M-20NF	400 ~ 450	0.4	20	1.25	500	500	N-Female	-30 ~ +70
JX-CT-450M500M-20NM	450 ~ 500	0.4	20	1.25	500	500	N-Male	-30 ~ +70
JX-CT-500M590M-20NF	500 ~ 590	0.4	20	1.25	500	500	N-Female	-40 ~ +85
JX-CT-590M710M-20NF	590 ~ 710	0.4	20	1.25	500	500	N-Female	-40 ~ +85
JX-CT-700M850M-20NF	700 ~ 850	0.4	20	1.25	500	500	N-Female	-40 ~ +85
JX-CT-850M1000M-20NF	850 ~ 1000	0.4	20	1.25	500	500	N-Female	-40 ~ +85
JX-CT-1010M1110M-20NF	1010 ~ 1110	0.3	20	1.2	500	500	N-Female	-20 ~ +65
JX-CT-1200M1400M-20NF	1200 ~ 1400	0.4	20	1.2	300	300	N-Female	0 ~ +65

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