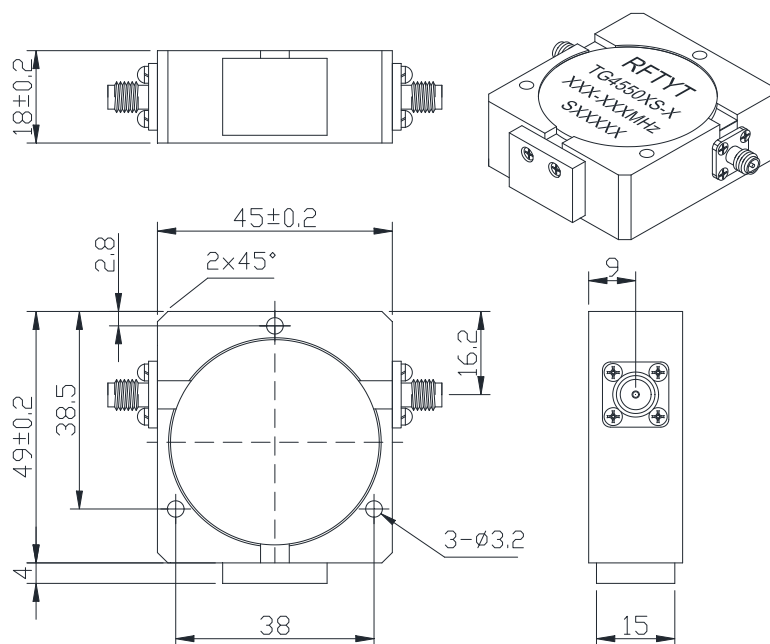
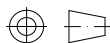


250 to 1400MHz Coaxial Isolator

TG4550XS SMA Type

Outline Drawing (mm):



Features:

- ✧ Good temperature stability
- ✧ Withstand high power
- ✧ RoHS compliant
- ✧ Weight : ≈ 260 g

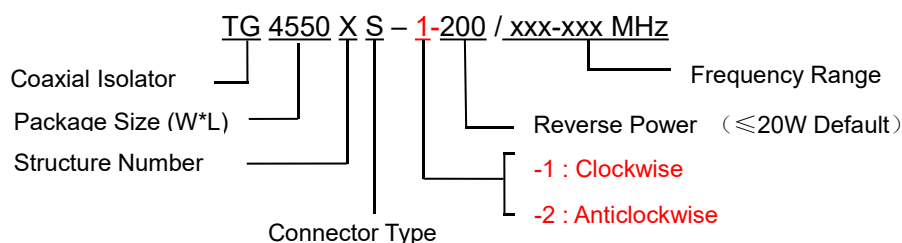
Material list:

- ✧ Shell: easy to cut iron plated nickel
- ✧ Inner conductor: silver plated brass
- ✧ Load chamber: aluminum conductive oxidation

Application:

- ✧ Rf amplifier final stage, protect the amplifier
- ✧ Small capacity microwave relay communication
- ✧ Tropospheric scatter communication
- ✧ GSM/CDMA/TD-SCDMA/WCDMA
EGSM/Wimax/TD-LTE/AMPS/SMR
5G and other communication systems

Order Examples:



Connector Type:

SMA Type Connector Options			N Type Connector Options		
Port 1	Port 2	Abbreviation	Port 1	Port 2	Abbreviation
SMA-F	SMA-F	S	N-F	N-F	N
SMA-F	SMA-M	SKJ	N-F	N-M	NKJ
SMA-M	SMA-F	SJK	N-M	N-F	NJK
SMA-M	SMA-M	SJ	N-M	N-M	NJ

Basic Specifications:



Impedance	50 Ω
Connector Type	N-F
Size(mm)	45.0*49.0*18.0
Operating Temp	-30~+70℃/-40~+85℃
Storage temperature	-50~+90℃

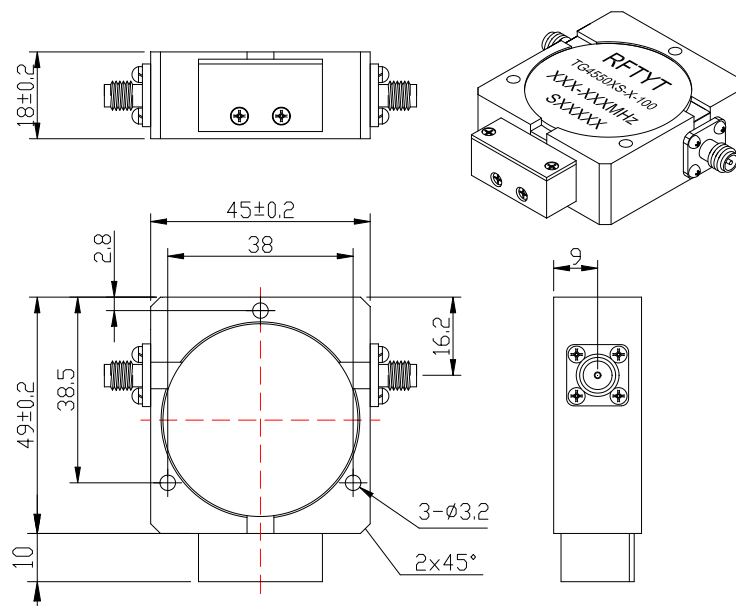
Specifications:

Model No. (X=1: →Clockwise) (X=2: ←Anticlockwise)	Freq. Range MHz	IL. dB (max)	Isolation dB (min)	VSWR	Forward Power CW	Reverse Power W
TG4550XS-X/250-300MHz	250-300	0.60	20.0	1.25	100	20/100
TG4550XS-X/280-310MHz	280-310	0.40	23.0	1.20	100	20/100
TG4550XS-X/285-295MHz	285-295	0.30	23.0	1.20	100	20/100
TG4550XS-X/289-359MHz	289-359	0.50	19.0	1.25	100	20/100
TG4550XS-X/290-310MHz	290-310	0.30	23.0	1.20	100	20/100
TG4550XS-X/292-332MHz	292-332	0.40	20.0	1.25	100	20/100
TG4550XS-X/300-350MHz	300-350	0.50	20.0	1.25	100	20/100
TG4550XS-X/300-400MHz	300-400	0.60	18.0	1.30	100	20/100
TG4550XS-X/300-420MHz	300-420	0.80	16.0	1.40	100	20/100
TG4550XS-X/320-415MHz	320-415	0.80	18.0	1.40	100	20/100
TG4550XS-X/345-415MHz	345-415	0.60	20.0	1.25	100	20/100
TG4550XS-X/350-400MHz	350-400	0.40	20.0	1.20	100	20/100
TG4550XS-X/350-470MHz	350-470	0.50	19.0	1.25	100	20/100
TG4550XS-X/360-440MHz	360-440	0.40	20.0	1.25	100	20/100
TG4550XS-X/360-470MHz	360-470	0.50	20.0	1.25	100	20/100
TG4550XS-X/375-415MHz	375-415	0.40	20.0	1.25	100	20/100
TG4550XS-X/380-480MHz	380-480	0.50	18.0	1.30	100	20/100
TG4550XS-X/400-430MHz	400-430	0.25	25.0	1.15	100	20/100
TG4550XS-X/400-500MHz	400-500	0.50	20.0	1.25	100	20/100
TG4550XS-X/400-520MHz	400-520	0.50	18.0	1.30	100	20/100
TG4550XS-X/400-550MHz	400-550	0.60	18.0	1.30	100	20/100

Model No. (X=1: →Clockwise) (X=2: ←Anticlockwise)	Freq. Range MHz	IL dB (max)	Isolation dB (min)	VSWR	Forward Power CW	Reverse Power W
TG4550XS-X/400-600MHz	400-600	0.90	14.0	1.60	100	20/100
TG4550XS-X/412-512MHz	412-512	0.50	20.0	1.25	100	20/100
TG4550XS-X/440-470MHz	440-470	0.25	25.0	1.15	100	20/100
TG4550XS-X/450-600MHz	450-600	0.50	18.0	1.30	100	20/100
TG4550XS-X/460-605MHz	460-605	0.50	18.0	1.30	100	20/100
TG4550XS-X/470-520MHz	470-520	0.40	20.0	1.25	100	20/100
TG4550XS-X/470-610MHz	470-610	0.50	18.0	1.30	100	20/100
TG4550XS-X/470-650MHz	470-650	0.60	18.0	1.30	100	20/100
TG4550XS-X/500-700MHz	500-700	0.60	18.0	1.30	100	20/100
TG4550XS-X/520-570MHz	520-570	0.30	23.0	1.20	100	20/100
TG4550XS-X/570-610MHz	570-610	0.30	23.0	1.20	100	20/100
TG4550XS-X/600-900MHz	600-900	0.80	15.0	1.50	100	20/100
TG4550XS-X/610-960MHz	610-960	0.80	17.0	1.50	100	20/100
TG4550XS-X/620-862MHz	620-862	0.50	20.0	1.25	100	20/100
TG4550XS-X/690-1000MHz	690-1000	0.60	18.0	1.30	100	20/100
TG4550XS-X/698-960MHz	698-960	0.50	20.0	1.25	100	20/100
TG4550XS-X/700-1000MHz	700-1000	0.60	20.0	1.25	100	20/100
TG4550XS-X/760-1010MHz	760-1010	0.50	20.0	1.25	100	20/100
TG4550XS-X/800-900MHz	800-900	0.30	23.0	1.20	100	20/100
TG4550XS-X/800-1000MHz	800-1000	0.40	20.0	1.25	100	20/100
TG4550XS-X/800-1200MHz	800-1200	0.60	16.0	1.40	100	20/100
TG4550XS-X/806-960MHz	806-960	0.30	23.0	1.20	100	20/100
TG4550XS-X/850-1000MHz	850-1000	0.40	23.0	1.20	100	20/100
TG4550XS-X/850-1150MHz	850-1150	0.40	20.0	1.25	100	20/100
TG4550XS-X/1010-1110MHz	1010-1110	0.30	23.0	1.20	100	20/100
TG4550XS-X/1200-1300MHz	1200-1300	0.30	23.0	1.20	100	20/100
TG4550XS-X/1200-1400MHz	1200-1400	0.30	20.0	1.20	100	20/100



Reverse power 100W size diagram



The reflected power of this figure is 100W, the index is shown in the table above, and the model is
TG4550XS-X-100/XXX-XXXMHz

Instructions:

- 1, the isolator connector can be selected SMA, N, male and female head can be used with the user;
- 2, the reflection power is commonly used 20W and 100W options, you can also configure the total reflection power according to user requirements;
- 3, only some common frequencies in the table, can be produced according to the user's requirements;
- 4, if you do not find what you are looking for, please contact us!