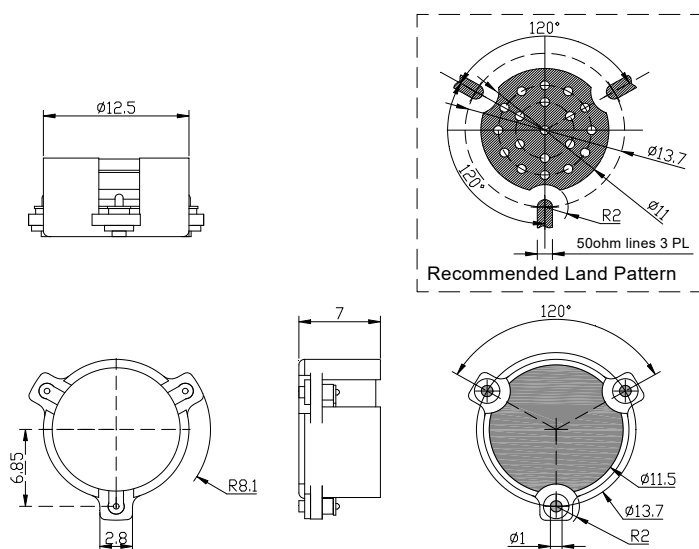


## 800 to 5900MHz Surface Mount Circulator

### SMTH-D12.5 SMT

Outline Drawing (mm): 



#### Features:

- ◇ Good temperature stability
- ◇ Withstand high power
- ◇ RoHS compliant
- ◇ Weight :  $\approx 5$  g

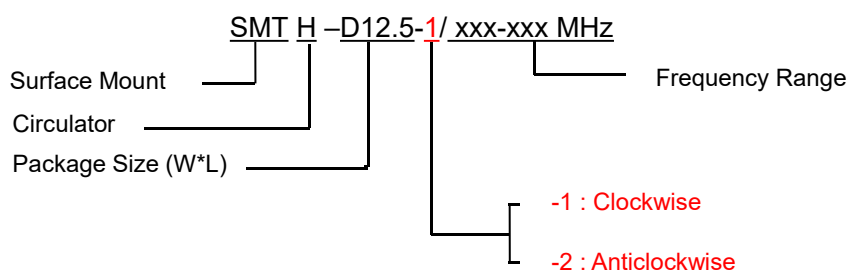
#### Material list:

- ◇ Shell: industrial pure iron silvered
- ◇ Inner conductor: silver plated brass

#### Application:

- ◇ Rf amplifier final stage, protect the amplifier
- ◇ Common transceiver antenna
- ◇ Digital communication
- ◇ Satellite communication
- ◇ Mobile communication

#### Order Examples :



#### Basic Specifications :

Impedance	50 $\Omega$
Size(mm)	$\Phi 12.5 \cdot 7.0$
Operating Temp	-40~+85 $^{\circ}$ C
Storage temperature	-50~+90 $^{\circ}$ C
ConnectorType	SMT

### Specifications:

<b>Model No.</b> (X=1: →Clockwise) (X=2: ←Anticlockwise)	<b>Freq. Range</b> <b>MHz</b>	<b>IL.</b> <b>dB (max)</b>	<b>Isolation</b> <b>dB (min)</b>	<b>VSWR</b>	<b>Power</b> <b>CW</b>
SMTH-D12.5-X/790-810MHz	790-810	0.4	20	1.25	60
SMTH-D12.5-X/800-830MHz	800-830	0.4	20	1.25	60
SMTH-D12.5-X/900-930MHz	900-930	0.4	20	1.25	100
SMTH-D12.5-X/930-960MHz	930-960	0.3	20	1.25	100
SMTH-D12.5-X/1420-1450MHz	1420-1450	0.4	20	1.25	60
SMTH-D12.5-X/1710-1785MHz	1710-1785	0.4	20	1.25	100
SMTH-D12.5-X/1805-1880MHz	1805-1880	0.4	20	1.25	100
SMTH-D12.5-X/1930-1990MHz	1930-1990	0.3	23	1.2	100
SMTH-D12.5-X/2110-2170MHz	2110-2170	0.3	23	1.2	100
SMTH-D12.5-X/2400-2500MHz	2400-2500	0.3	21	1.2	30
SMTH-D12.5-X/2900-3300MHz	2900-3300	0.35	18	1.3	50
SMTH-D12.5-X/4400-5000MHz	4400-5000	0.6	18	1.3	60
SMTH-D12.5-X/5700-5900MHz	5700-5900	0.4	20	1.25	60

### Instructions:

- 1, When the surface paste circulator adopts reflow welding process, the maximum temperature does not exceed 260 degrees;
- 2, The circulator only provides through power, indicating that the transmission to the antenna and the antenna to the receiving are through power;
- 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!