

0.7 to 10GHz – Surface Mount Circulator

Design Features

- ◆ High RF performance, ultra-competitive price.
- ◆ Military, space and commercial applications.
- ◆ Custom design available upon request.
- ◆ Support one year standard warranty.

RF Characteristics

Model Number	Freq. Range (MHz)	Insertion Loss Max(dB)	Isolation Min(dB)	VSWR Max	Forward Power(W)	Reverse Power(W)	Connector Type	Temp.(°C)
UIYSC12A703T748	703 ~ 748	0.7	16	1.4	30	30	SMT	-40 ~ +85
UIYSC12A758T803	758 ~ 803	0.6	16	1.4	30	30	SMT	-40 ~ +85
UIYSC12A791T862	791 ~ 862	0.7	16	1.4	30	30	SMT	-40 ~ +85
UIYSC12A824T894	824 ~ 894	0.55	18	1.3	30	30	SMT	-40 ~ +85
UIYSC12A880T960	880 ~ 960	0.5	16	1.3	30	30	SMT	-40 ~ +85
UIYSC12A990T1130	990 ~ 1130	0.7	15	1.5	30	30	SMT	-40 ~ +85
UIYSC12A1230T1350	1230 ~ 1350	0.4	18	1.3	30	30	SMT	-40 ~ +85
UIYSC12A1330T1390	1330 ~ 1390	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A1427T1517	1427 ~ 1517	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A1565T1585	1565 ~ 1585	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A1616T1620	1616 ~ 1620	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A1710T1785	1710 ~ 1785	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A1805T1880	1805 ~ 1880	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A1805T2170	1805 ~ 2170	0.5	18	1.3	30	30	SMT	-40 ~ +85
UIYSC12A1920T1990	1920 ~ 1990	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A2110T2170	2110 ~ 2170	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A2300T2500	2300 ~ 2500	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A2400T2600	2400 ~ 2600	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A2496T2690	2496 ~ 2690	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A2500T2700	2500 ~ 2700	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A2700T3100	2700 ~ 3100	0.4	21	1.25	30	30	SMT	-40 ~ +85
UIYSC12A2900T3300	2900 ~ 3300	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A31T36	3100 ~ 3600	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A33T36	3300 ~ 3600	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A37T42	3700 ~ 4200	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A42T44	4200 ~ 4400	0.3	21	1.2	30	30	SMT	-40 ~ +85
UIYSC12A44T5	4400 ~ 5000	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A48T5	4800 ~ 5000	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A5T55	5000 ~ 5500	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A5T6	5000 ~ 6000	0.4	19	1.25	30	30	SMT	-40 ~ +85
UIYSC12A55T6	5500 ~ 6000	0.3	23	1.2	30	30	SMT	-40 ~ +85
UIYSC12A58T62	5800 ~ 6200	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A62T68	6200 ~ 6800	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A65T7	6500 ~ 7000	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A7T8	7000 ~ 8000	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A79T84	7900 ~ 8400	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A85T95	8500 ~ 9500	0.4	20	1.25	30	30	SMT	-40 ~ +85
UIYSC12A9T10	9000 ~ 10000	0.4	20	1.25	30	30	SMT	-40 ~ +85

² Listed are specific frequency ranges and tailor-made ranges are available.

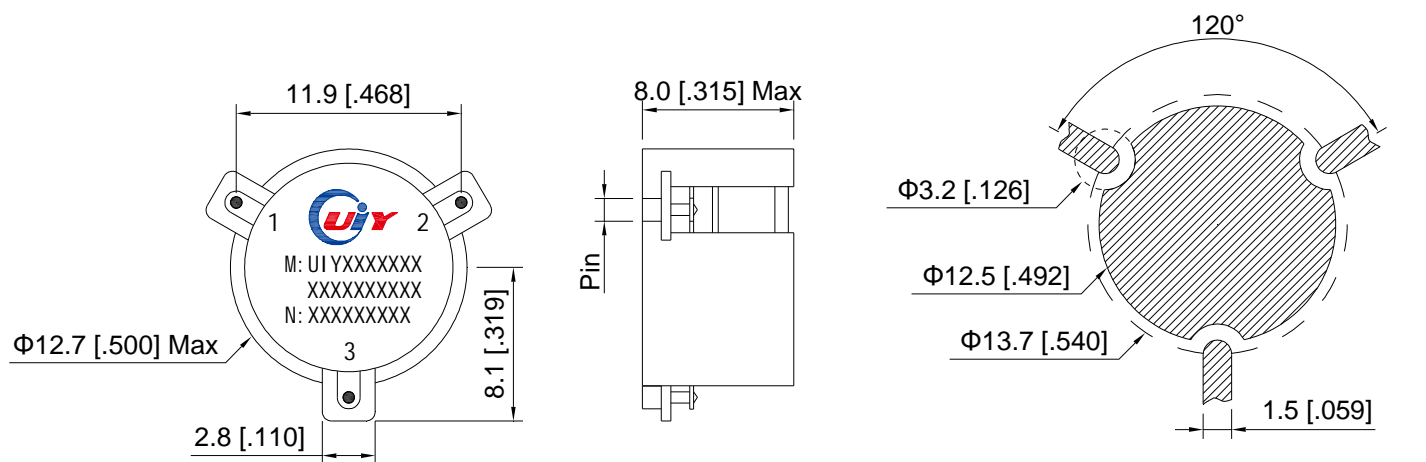
² Please provide the information below when inquiring and mark * is required.

* 1. The specific frequency ranges

* 2. Power handling (Forward, Reverse, Peak, etc.)

* 3. Other special requests (Insertion Loss, Isolation, VSWR, Temperature, Dimension, etc.)

Mechanical Drawing



Pin: $\Phi 1.2\text{mm}$ @ 1.2~7.0GHz, $\Phi 0.7\text{mm}$ @ 7.0~10.0GHz

Unit: mm/ inch, General part tolerance is $\pm 2\%$ unless otherwise stated.

Recommended Land Pattern

Ver. 5.4