

0.7 to 10GHz – Surface Mount Isolator

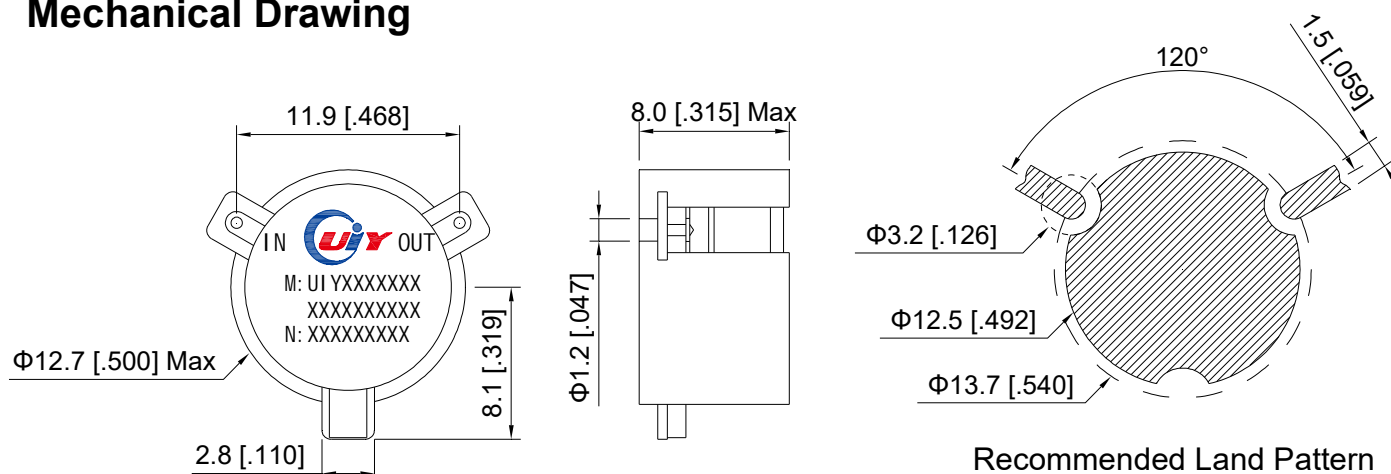
Design Features

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

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)
UIYSI12A703T748	703 ~ 748	0.5	18	1.3	30	10	SMT	-40 ~ +85
UIYSI12A758T803	758 ~ 803	0.5	18	1.3	30	10	SMT	-40 ~ +85
UIYSI12A791T862	791 ~ 862	0.5	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A824T894	824 ~ 894	0.5	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A880T960	880 ~ 960	0.5	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A1230T1250	1230 ~ 1250	0.4	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A1330T1390	1330 ~ 1390	0.4	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A1427T1517	1427 ~ 1517	0.4	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A1565T1585	1565 ~ 1585	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A1616T1620	1616 ~ 1620	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A1710T1785	1710 ~ 1785	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A1710T2170	1710 ~ 2170	0.5	18	1.3	30	10	SMT	-40 ~ +85
UIYSI12A1805T1880	1805 ~ 1880	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A1920T1990	1920 ~ 1990	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A2110T2170	2110 ~ 2170	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A2300T2500	2300 ~ 2500	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A2400T2600	2400 ~ 2600	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A2496T2690	2496 ~ 2690	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A2500T2700	2500 ~ 2700	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A2700T3100	2700 ~ 3100	0.5	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A2900T3300	2900 ~ 3300	0.4	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A31T36	3100 ~ 3600	0.4	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A33T36	3300 ~ 3600	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A37T42	3700 ~ 4200	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A42T44	4200 ~ 4400	0.3	21	1.2	30	10	SMT	-40 ~ +85
UIYSI12A44T5	4400 ~ 5000	0.4	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A48T5	4800 ~ 5000	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A5T55	5000 ~ 5500	0.3	23	1.2	30	10	SMT	-40 ~ +85
UIYSI12A5T6	5000 ~ 6000	0.4	20	1.25	30	10	SMT	-40 ~ +85
UIYSI12A55T6	5500 ~ 6000	0.3	23	1.2	30	10	SMT	-40 ~ +85

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.

Ver. 5.2