

STRIPLINE/PIN TYPE CIRCULATORS AND ISOLATORS

Part No.		Center frequency or frequency range (MHz)	Band width (%) max.	Isolation (dB) min.	Insertion loss (dB) max.	VSWR $Z_0 = 50\Omega$ max.	Maximum handling power (W)	Capacity of built-in resistor (W)*	Size W x L x T (mm) [inches]	Weight (g)	Connector type
Circulator	Isolator										
CU461□□*a 5*b L*c -□□*d C*f		50 to 100 100 to 200	10 20	18 18	0.7 0.7	1.25 1.25	50 100		90 x 90 x 40 [3.543 x 3.543 x 1.575]	950	Stripline
CU471□□5L-□□-C		50 to 100 100 to 300	10 20	18 18	0.8 0.7	1.25 1.25	30 50		70 x 70 x 33 [2.756 x 2.756 x 1.299]	480	Stripline
CU481□□5L-□□-C		100 to 200 200 to 400	20	18	0.7	1.25	30		50 x 50 x 25 [1.969 x 1.969 x .984]	160	Stripline
CU481□□8L-□□-C		225 to 400	Full	15	1.5	1.5	20		50 x 50 x 25 [1.969 x 1.969 x .984]	160	Stripline
CU441□□5L-□□-C		200 to 400 400 to 800	20 15	18 18	0.7 0.7	1.25 1.25	15 50		40 x 40 x 25 [1.575 x 1.575 x .984]	110	Stripline
CU442□□5L-C		470 to 600 600 to 770	Full	18	0.7	1.25	50		40 x 40 x 25 [1.575 x 1.575 x .984]	120	Stripline
	CU49P□□3L-T	400 to 950	10	18	0.7	1.25	30	30	30 x 30 x 17 [1.181 x 1.181 x .669]	45	Stripline
	CU49R□□3L-T	400 to 950	10	18	0.7	1.25	70	70	30 x 30 x 7 [1.181 x 1.181 x .276]	60	Stripline
	CU421□□3L-□□-□T	915 to 940 824 to 849 890 to 915 940 to 960 872 to 905 1429 to 1453	Full	18	0.6	1.3	10	5	20 x 20 x 10 [.787 x .787 x .394]	15	Stripline
CU421□□3L-□□-□C		870 to 950	Full	18	0.7	1.3	15	—	20 x 20 x 10 [.787 x .787 x .394]	15	Stripline
	CU424□□1L-□□-□IT	915 to 940 824 to 849 890 to 915 940 to 960 872 to 905	Full	18	0.7	1.4	10	5	20 x 20 x 6 [.787 x .787 x .236]	8	Stripline
	CU42K2B1P-□□-2T CU42L□□1P-□□-2T	254.4 380.75 273 422	±1 ±1 ±2 ±6.5	18 20 15 18	1.3 0.8 1.5 0.9	1.5 1.4 1.5 1.5	1	1	15 x 15 x 7.1 [.591 x .591 x .280]	6	Pin
	CU42J□□1P-□□-□IT CU42K2□□1P-□□-□IT	915 to 940 824 to 849 890 to 915 940 to 960 872 to 905	Full	18	0.6	1.3	10	1	15 x 15 x 7.1 [.591 x .591 x .280]	7	Pin
	CU42L□□1P-□□-2T	915 to 940 824 to 849 890 to 915 940 to 960 872 to 905	Full	18	0.7	1.3	5	1	15 x 15 x 7.1 [.591 x .591 x .280]	7	Pin
	CU42J3□□1P-□□-□IT CU42L3□□1P-□□-2T	915 to 940 824 to 849 890 to 915 940 to 960 872 to 905	Full	13	0.7	1.5	5	1	15 x 15 x 7.1 [.591 x .591 x .280]	5	Pin
	CU41K2□□1P-□□-□IT CU41K3□□1P-□□-□IT	915 to 940 824 to 849 890 to 915 940 to 960 872 to 905 1465 to 1477 1429 to 1453 1710 to 1785 1895 to 1918	Full	18	0.8	1.4	5	0.7	10 x 10 x 6 [.394 x .394 x .236]	2.5	Pin

* Dummy load capability when converted to isolator

• Product identification: Type □□*a □□*b □□*c -□□*d □□*f See P. 12-1.

Temperature range: -35 to +85°C

-10 to +50°C (CU42K2B1P-□□-2T, CU42L□□1P-□□-2T)

Microwave Devices

Part No.		Center frequency or frequency range (MHz)	Band width (%) max.	Isolation (dB) min.	Insertion loss (dB) max.	VSWR $Z_0 = 50\Omega$ max.	Maximum handling power (W)	Capacity of built-in resistor (W)*	Size W × L × T (mm) [inches]	Weight (g)	Connector type
Circulator	Isolator	915 to 940	Full	18	0.8	1.4	3	0.6	10 × 10 × 6 [.394 × .394 × .236]	2.5	Pin
		824 to 849									
		890 to 915									
		940 to 960									
		872 to 905	Full	15	0.9	1.5					
		1500 to 1700	Full	18	0.7						
CU12M□3P-C	CU12M□3P-T	1600 to 1800	Full	18	0.5	1.3	30	0.5	25.4 × 26 × 13 [1.000 × 1.024 × .512]	55	Pin
		1700 to 1900									
		1900 to 2100									
		2100 to 2300									
		2300 to 2500									
		2500 to 2700									
CU13M□3P-C	CU13M□3P-T	3700 to 4200	Full	23	0.15	1.15	10	0.5	25.4 × 26 × 13 [1.000 × 1.024 × .512]	55	Pin
CU15M□3P-C	CU15M□3P-T	3300 to 4000	Full	20	0.5	1.2	10	0.5	25.4 × 26 × 13 [1.000 × 1.024 × .512]	55	Pin
		3500 to 4300									
		4300 to 5100									

* Dummy load capability when converted to isolator

• Product identification: Type [] *a [] *b [] *c [] *d [] *f See P. 12-1.

Temperature range: -35 to +85°C

