

Microwave Devices

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	5* ^a 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 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	30 x 30 x 7 [1.181 x 1.181 x .276]	60	Stripline	
	CU421	3L-C-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-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-C-T	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	1P-C-2T	254.4	±1	18	1.3	1.5	1	1	15 x 15 x 7.1 [.591 x .591 x .280]	6	Pin
	CU42L	1P-C-2T	380.75	±1	20	0.8	1.4	1	1	15 x 15 x 7.1 [.591 x .591 x .280]	6	Pin
			273	±2	15	1.5	1.5					
			422	±6.5	18	0.9	1.5					
	CU42J	1P-C-T	915 to 940 824 to 849 890 to 915 940 to 960	Full	18	0.6	1.3	10	1	15 x 15 x 7.1 [.591 x .591 x .280]	7	Pin
	CU42K2	1P-C-T	872 to 905	Full	15	0.7	1.4					
	CU42L	1P-C-2T	915 to 940 824 to 849 890 to 915 940 to 960	Full	18	0.7	1.3	5	1	15 x 15 x 7.1 [.591 x .591 x .280]	7	Pin
			872 to 905	Full	15	0.8	1.4					
	CU42J3	1P-C-T	915 to 940 824 to 849 890 to 915 940 to 960	Full	13	0.7	1.5	5	1	15 x 15 x 7.1 [.591 x .591 x .280]	5	Pin
	CU42L3	1P-C-2T	872 to 905									
	CU41K2	1P-C-T	915 to 940 824 to 849 890 to 915 940 to 960	Full	18	0.8	1.4	5	0.7	10 x 10 x 6 [.394 x .394 x .236]	2.5	Pin
	CU41K3	1P-C-T	872 to 905	Full	15	0.9	1.5	5	0.7	10 x 10 x 6 [.394 x .394 x .236]	2.5	Pin
			1465 to 1477 1429 to 1453	Full	18	0.8	1.4					
			1710 to 1785	Full	18	0.9	1.5					
			1895 to 1918	Full	18	0.8	1.4					

* Dummy load capability when converted to isolator

Temperature range: -35 to +85°C

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

-10 to +50°C (CU42K2B1P-1-2T, CU42L11P-1-2T)

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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	915 to 940	Full	18	0.8	1.4	3	0.6	10 x 10 x 6 [.394 x .394 x .236]	2.5	Pin
		824 to 849									
		890 to 915									
	CU41L□□1P-□□-2T	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 x 26 x 13 [1.000 x 1.024 x .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 x 26 x 13 [1.000 x 1.024 x .512]	55	Pin
CU15M□□3P-C	CU15M□□3P-T	3300 to 4000	Full	20	0.5	1.2	10	0.5	25.4 x 26 x 13 [1.000 x 1.024 x .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

