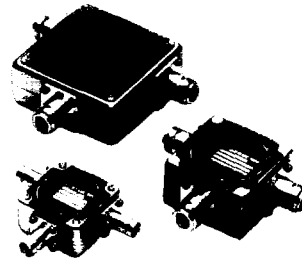


Microwave Devices

CONNECTOR TYPE CIRCULATORS AND ISOLATORS

These lumped element type circulators/isolators, the mesh structure centerpiece conductors, are small-sized and high efficiency performing in VHF and UHF.



LUMPED ELEMENT TYPE WITH CONNECTOR

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**2 (W)	Capacity of built-in resistor (W)	Size [Except connector] W x L x T (mm) [inches]	Weight (g)	Connector type
Circulator	Isolator										
CU223	1*1* ^b 1* ^c -C* ¹	60 to 100 100 to 220	2 3	17 20	0.7 0.5	1.3 1.2	40 60				
CU223	2 -C	50 to 100 100 to 300	8 10	18 18	0.8 0.5	1.25 1.25	30 50		72 x 73 x 34 [2.835 x 2.874 x 1.339]	650	N BNC
CU223	5 -C	50 to 100 100 to 300	10 20	18 18	0.8 0.7	1.25 1.25	30 50				
CU251	1 -C	400 to 1000	3	20	0.5	1.2		2*1	40 x 40 x 26 [1.575 x 1.575 x 1.024]	150	SMA BNC TNC
CU251	3 -C	400 to 600 600 to 1000	10 15	18 18	0.7 0.7	1.25 1.25	15				
	CU259	400 to 1000 400 to 600 600 to 1000	3 10 15	20 18 18	0.5 0.7 0.7	1.2 1.25 1.25	15	10	40 x 55 x 26 [1.575 x 2.165 x 1.024]	170	SMA BNC TNC
CU261	1N-C	400 to 1000	3	20	0.5	1.2		2*1	40 x 40 x 35 [1.575 x 1.575 x 1.378]	200	N
CU261	3N-C	400 to 600 600 to 1000	10 15	18 18	0.7 0.7	1.25 1.25	15				
	CU269	400 to 1000 400 to 600 600 to 1000	3 10 15	20 18 18	0.5 0.7 0.7	1.2 1.25 1.25	15	10*2	40 x 50 x 35 [1.575 x 1.969 x 1.378]	220	N
CU271	1 -C	80 to 130 130 to 200 200 to 400	2 3 3	17 20 20	1.0 0.5 0.5	1.3 1.25 1.2	20 30 30	2*1	50 x 50 x 30 [1.969 x 1.969 x 1.181]	250	SMA BNC TNC
CU271	2 -C	80 to 100 100 to 200 200 to 400	8 10 10	17 17 18	1.5 1.0 0.7	1.3 1.3 1.25	20				
	CU279	80 to 130 130 to 200 200 to 400	2 3 3	17 20 20	1.0 0.5 0.5	1.3 1.25 1.2	20 30 30	10*2	50 x 65 x 30 [1.969 x 2.559 x 1.181]	270	SMA BNC TNC
	CU279	80 to 100 100 to 200 200 to 400	8 10 10	17 17 18	1.5 1.0 0.7	1.3 1.3 1.25	20				
CU281	1N-C	80 to 130 130 to 200 200 to 400	2 3 3	17 20 20	1.0 0.5 0.5	1.3 1.25 1.2	20 30 30	2*1	50 x 50 x 35 [1.969 x 1.969 x 1.378]	300	N
CU281	2N-C	80 to 100 100 to 200 200 to 400	8 10 10	17 17 18	1.5 1.0 0.7	1.3 1.3 1.25	20				
	CU289	80 to 130 130 to 200 200 to 400	2 3 3	17 20 20	1.0 0.5 0.5	1.3 1.25 1.2	20 30 30	10*2	50 x 65 x 35 [1.969 x 2.559 x 1.378]	320	N
	CU289	80 to 100 100 to 200 200 to 400	8 10 10	17 17 18	1.5 1.0 0.7	1.3 1.3 1.25	20				

*1. Available 5W resistor upon customer's request.

*2. Under the heat sink condition.

• Product identification: Type | *^a | *^b | *^c - | *¹ See P. 12-1.

Temperature range: - 10 to + 50°C

Microwave Devices

LUMPED ELEMENT TYPE WITH CONNECTOR

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* ² (W)	Capacity of built-in resistor (W)	Size [Except connector] W x L x T (mm) [inches]	Weight (g)	Connector type
High power series											
CU410	[]*a 8*b 3*c - C**	225 to 400	Full	15	1.5	1.5	20		50.8 x 52 x 25 [2.000 x 2.047 x .984]	200	SMA
CU799	[]8N-C	225 to 400	Full	15	1.5	1.5	100		70 x 70 x 33 [2.756 x 2.756 x 1.299]	540	N, SMA
CU515	[]3 []-C	50 to 100	10	18	0.6	1.25	500			14000	D, d
CU516	[]5 []-C	50 to 100 100 to 200	10 20	18 18	0.7 0.7	1.25 1.25	100 150		100 x 100 x 50 [3.937 x 3.937 x 1.969]	3000	N, D, d
CU517	[]5 []-C	50 to 100 100 to 200	10 20	18 18	0.7 0.7	1.25 1.25	150 200			3400	D, d
CU518	[]5 []-C	50 to 100 100 to 200	10 20	18 18	0.7 0.7	1.25 1.25	200 250			4000	D, d
	CU519 []5N-T	50 to 100 100 to 200	10 20	18 18	0.7 0.7	1.25 1.25	150 200	100		4000	N
CU520	[]5 []-C	50 to 100 100 to 200	10 20	18 18	0.7 0.6	1.25 1.25	300 500			5000	D, d
CU522	[]5 []-C	50 to 100 100 to 200	10 20	18 18	0.7 0.7	1.25 1.25	50 100		90 x 91 x 40 [3.543 x 3.583 x 1.575]	1000	N

*1 Available 5W resistor upon customer's request.

*2 Under the heat sink condition.

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

Temperature range: -10 to +50°C

