

# RF Components

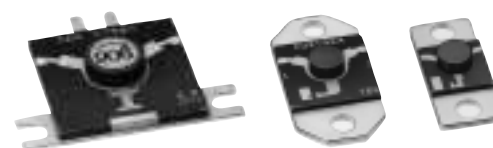
## Circulator/Isolator

### Ferrite Substrate Type

## CU Series

### FEATURES

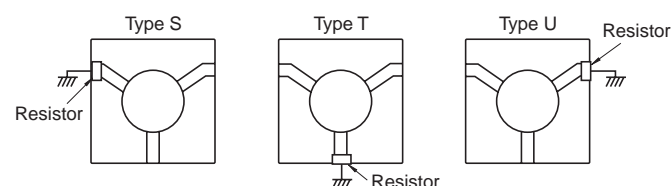
- Ferrite substrate type circulator and isolator installed on microwave IC with the same characteristics as a connector type.



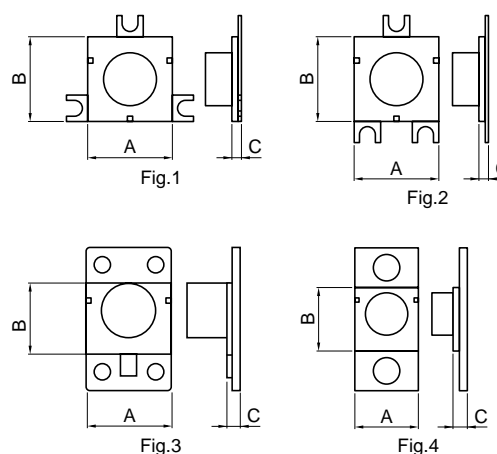
### PRODUCT IDENTIFICATION

Type name □\*a□□\*b□□\*c-□\*d□\*f

- \*a: Direction of circulation. Fill in with a letter A or B.  
A: CW (clock-wise)  
B: C-CW (counter clock-wise)
- \*b: Bandwidth  
3: Wide bandwidth
- \*c: Connector type  
L: Strip-line type
- \*d: Center frequency (nominal frequency)
- \*f: Input and output terminal position  
C: Circulator specification  
S, T, U: Isolator specification (Type T: Standard type)



### SHAPES/INPUT AND OUTPUT TERMINAL POSITIONS



### TYPICAL ELECTRICAL CHARACTERISTICS

Part No.	Frequency range (GHz)	Isolation (dB) min.	Insertion loss (dB) max.	VSWR max. $Z_0=50\Omega$	Maximum handling power (W)	Capacity of built-in dummy load (W)	Dimensions (mm)			Temperature range (°C)	Weight (g)	Fig.
							A	B	C			
<b>Circulator</b>	<b>Isolator</b>											
CU965T□3L-39C	CU965T□3L-39□											
CU965T□3L-43C	CU965T□3L-43□											
CU965T□3L-47C	CU965T□3L-47□											
CU965T□3L-60C	CU965T□3L-60□	18	0.6	1.3	4	0.25	16	16	1.5	-10 to +50	6	1
CU965T□3L-67C	CU965T□3L-67□											
CU965T□3L-75C	CU965T□3L-75□											
CU965T□3L-81C	CU965T□3L-81□											
CU965Y□3L-39C	CU965Y□3L-39□											
CU965Y□3L-43C	CU965Y□3L-43□											
CU965Y□3L-47C	CU965Y□3L-47□											
CU965Y□3L-60C	CU965Y□3L-60□	18	0.6	1.3	4	0.25	16	16	1.5	-10 to +50	6	2
CU965Y□3L-67C	CU965Y□3L-67□											
CU965Y□3L-75C	CU965Y□3L-75□											
CU965Y□3L-81C	CU965Y□3L-81□											
	CU96M□3L-65T											
	CU96M□3L-70T	20	0.4	1.2	10	2	12	10	1.8	-10 to +60	4	3
	CU96M□3L-79T											
	CU96S□3L-65T											
	CU96S□3L-70T	20	0.4	1.2	10	10	12	10	1.8	-10 to +60	4	3
	CU96S□3L-79T											
	CU9106□3L-95T	18	0.6	1.3	2	0.1	10	10	1.65	-10 to +50	4	4
	CU9129□3L-131T	18	0.6	1.3	3	0.25	7	7	1.65	-30 to +70	3	4
	CU9129□3L-150T											

- Product identifications

\*d: 39 means nominal frequency (Example: 39→3.9GHz/150→15.0GHz)

△ Specifications which provide more details for the proper and safe use of the described product are available upon request.  
All specifications are subject to change without notice.