



STAR MICROWAVE, INC.

## Coaxial Isolators and Circulators



\* Other Frequency bandwidths and Custom are available.

Star Microwave's Broad Bandwidth and Narrow Bandwidth of isolators and circulators are designed to meet the most stringent electrical parameters.

Listed below are Star Microwave's three-port Connectorized Circulator devices.

For isolators, replace the "C" with "I" in the model number.

For specific requirements, contact Sales Department.

### BROAD BANDWIDTH CONNECTORIZED 3-port CIRCULATOR\*

MODEL	FREQUENCY GHz	ISOLATION (dB MIN)	INS. LOSS (dB MAX)		VSWR (MAX)	TEMP Degrees Celsius	POWER (WATTS)		DIMENSIONS IN INCHES L x W x H	OUTLINE PACKAGE
			ROOM	TEMP			FWD	REV		
KNCU0150	0.810-2.20	12	0.90	0.90	1.66:1	10 to +55	50		2.90x 2.90x1.00	KN
KNCU0160	1.00-2.20	20	0.40	0.40	1.22:1	10 to +55	50		2.90x 2.90x1.00	KN
ISCU0300	2.00-4.00	20	0.40	0.40	1.22:1	-10 to +75	50		1.63 x 1.63 x 0.75	IS
HSCU0400	2.50-5.50	18	0.50	0.50	1.22:1	-10 to +70	50		1.25 x 1.25 x 0.67	HS
HSCU0450	3.00-6.00	20	0.40	0.40	1.22:1	-20 to +75	50		1.25 x 1.25 x 0.75	HS
ESCU0600	4.00-8.00	20	0.40	0.40	1.22:1	-20 to +75	50		0.75x 0.75x 0.50	ES
ESCU0900	6.00-12.00	20	0.40	0.40	1.22:1	-20 to +75	50		0.75x 0.75x 0.50	ES
ESCU1200	8.00-16.00	18	0.50	0.50	1.28:1	-20 to +75	50		0.75x 0.75x 0.50	ES
ESCU1350	9.00-18.00	18	0.50	0.50	1.28:1	-20 to +75	50		0.75x 0.75x 0.50	ES

### NARROW BANDWIDTH CONNECTORIZED 3-port CIRCULATOR\*

MODEL	FREQUENCY GHz	ISOLATION (dB MIN)	INS. LOSS (dB MAX)		VSWR (MAX)	TEMP Degrees Celsius	POWER (WATTS)		DIMENSIONS IN INCHES L x W x H	OUTLINE PACKAGE
			ROOM	TEMP			FWD	REV		
HNC0085	.800-.900	19	0.30	0.30	1.25:1	-20 to +85	200		1.25 x 1.25 x 0.75	HN
HNC0110	.900-1.215	20	0.35	0.35	1.22:1	-20 to +85	200		1.25 x 1.25 x 0.75	HN
HNC0130	1.20-1.40	20	0.30	0.30	1.22:1	-20 to +85	200		1.25 x 1.25 x 0.75	HN
HSC0150	1.40-1.60	20	0.30	0.30	1.22:1	-20 to +85	200		1.25 x 1.25 x 0.75	HN
HSC0185	1.70-2.00	20	0.35	0.35	1.22:1	-20 to +85	150		1.25 x 1.25 x 0.75	HS
ESC0220	2.10-2.30	20	0.30	0.30	1.22:1	-20 to +85	150		0.75x 0.75x 0.50	ES
ESC0250	2.30-2.70	20	0.35	0.35	1.22:1	-20 to +85	150		0.75x 0.75x 0.50	ES
ESC0380	3.40-4.20	20	0.40	0.40	1.28:1	-30 to +85	50		0.75x 0.75x 0.50	ES
ESC0500	4.60-5.40	21	0.30	0.30	1.20:1	-30 to +85	50		0.75 x 0.75 0.50	ES
ESC0550	5.00-6.00	21	0.30	0.30	1.20:1	-30 to +85	50		0.75x 0.75x 0.50	ES
ESC0700	6.00-8.00	21	0.35	0.35	1.20:1	-30 to +85	50		0.75x 0.75x 0.50	ES
ESC0950	8.00-11.00	23	0.30	0.35	1.15:1	-40 to +85	40		0.50x 0.63x 0.50	DS
DSC1362	12.75-14.50	23	0.30	0.35	1.15:1	-40 to +85	40		0.50x 0.63x 0.50	DS
DSC1650	15.0-18.0	21	0.40	0.40	1.20:1	-40 to +85	40		0.50x 0.63x 0.50	DS
DSC1850	17.00-20.00	19	0.50	0.50	1.25:1	-40 to +85	40		0.50x 0.63x 0.50	DS

◆ Minority and Women-Owned Small Business.

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