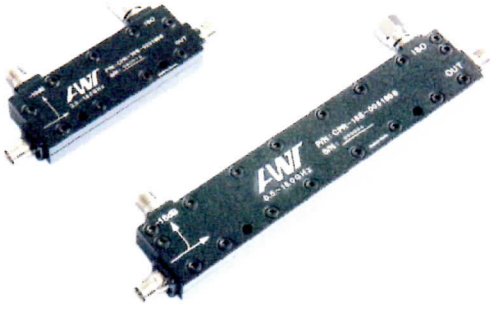
COUPLERS

Directional couplers

Features

- ▷Frequency Range : 0.5 ~ 18 GHz
- ▷Excellent Frequency Flatness
- ▷High Directivity
- ▷Low VSWR
- ▷High Power application for industry or military



Specifications

Model	Frequency Range [GHz]	Coupling [dB]	Directivity [dB min.]		Insertion Loss[dB] /True[Max]	VSWR [max.]		Frequency Sensitivity [dB max.]	Average Power [Watts]
						IN	OUT		
CPR-10-005020S	0.50 ~ 2.0	10.0 ± 1.0	22.0		0.35 / 0.90	1.20	1.20	±0.50	10.0
CPR-20-005020S		20.0 ± 1.0	22.0		0.35 / 0.40	1.20	1.20	±0.50	10.0
CPR-16-005180S	0.50 ~ 18.0	16.0 ± 1.0	0.50 ~ 8.0 15.0	8.0 ~ 18.0 12.0	0.85 / 1.40	1.50	1.50	±1.0	10.0
CPR-20-005180S		20.0 ± 1.0	0.50 ~ 8.0 15.0	8.0 ~ 18.0 12.0	0.85 / 1.20	1.50	1.50	±1.0	10.0
CPR-10-008027S	0.80 ~ 2.70	10.0 ± 1.0	20.0		0.40 / 1.35	1.20	1.20	±0.50	10.0
CPR-20-008027S		20.0 ± 1.0	20.0		0.40 / 0.55	1.20	1.20	±0.50	10.0
CPR-30-008027S		30.0 ± 1.0	20.0		0.40 / 0.40	1.20	1.20	±0.50	10.0
CPR-10-020080S	2.0 ~ 8.0	10.0 ± 1.0	20.0		0.40 / 1.0	1.25	1.25	±0.75	10.0
CPR-20-020080S		20.0 ± 1.0	20.0		0.40 / 0.45	1.25	1.25	±0.75	10.0
CPR-30-020080S		30.0 ± 1.0	20.0		0.40 / 0.40	1.30	1.30	±0.75	10.0
CPR-10-020100S	2.0 ~ 10.0	10.0 ± 1.0	2.0 ~ 8.0 15.0	8.0 ~ 10.0 12.0	0.80 / 1.30	1.35	1.50	±0.50	10.0
CPR-16-020100S		16.0 ± 1.0	2.0 ~ 8.0 15.0	8.0 ~ 10.0 12.0	0.80 / 1.0	1.35	1.50	±0.50	10.0
CPR-10-020180S	2.0 ~ 18.0	10.0 ± 1.0	2.0 ~ 8.0 15.0	8.0 ~ 18.0 12.0	0.90 / 1.50	1.50	1.50	±1.0	10.0
CPR-16-020180S		16.0 ± 1.0	2.0 ~ 8.0 15.0	8.0 ~ 18.0 12.0	0.90 / 1.20	1.50	1.50	±1.0	10.0
CPR-20-020180S		20.0 ± 1.0	2.0 ~ 8.0 15.0	8.0 ~ 18.0 12.0	0.90 / 1.0	1.50	1.50	±1.0	10.0
CPR-10-060180S	6.0 ~ 18.0	10.0 ± 1.0	12.0		0.60 / 1.20	1.40	1.40	±0.75	10.0
CPR-20-060180S		20.0 ± 1.0	12.0		0.60 / 1.20	1.40	1.40	±0.75	10.0
CPR-30-060180S		30.0 ± 1.0	12.0		0.60 / 0.60	1.40	1.40	±0.75	10.0

* The other band models are available on requests

Hybrid Couplers

Features

- ▷90°, 180° Quadrature
- ▷Frequency Range : 0.5 ~ 18 GHz
- ▷LOW Loss / VSWR
- ▷High Isolation
- ▷High Directivity

Specifications

Model	Frequency Range [GHz]	Degree	Coupling [dB]	Isolation [dB]	Insertion Loss [dB]	VSWR [Max : 1]	Amp. Ripple [dB]	Phase Balance [Deg.]	Power [Watts]
HCD-90-020060S	2.0 ~ 6.0	90°	3.0	15.0	0.75	1.40	±0.50	±5.0	50.0
HCD-180-020060S	2.0 ~ 6.0	180°	3.0	15.0	0.75	1.50	±0.50	±5.0	50.0

* The other band models are available on requests