

Frequency Combiners

FEATURES:

- ❖ 0.8 – 2.5GHz
- ❖ 2-way, 3-way & 4-way
- ❖ Rugged construction
- ❖ Economically priced

APPLICATIONS:

- ❖ CDMA-GSM
- ❖ DCS-3G
- ❖ WLAN-PHS



CCF Series

SPECIFICATIONS:

2-Way:

Model Number	Frequency Range (MHz)	Frequency Category	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection (dB) Min.	Power Avg (W) Max.	VSWR Max.	Case Type (mm)
CCFU9020690S	800-960	CDMA-GSM	0.4	0.3	90@1710-2170MHz	200	*	180 x 68 x 58
	1710-2170	DCS-3G	0.6	0.4	90@800-960MHz	200	*	180 x 68 x 58
CCFU8U90605S	824-880	CDMA	0.65	0.5	80@909-960MHz	200	*	180 x 160 x 57
	909-960	GSM	0.65	0.5	80@824-880MHz	200	*	180 x 160 x 57
CCFU9020660S	824-960	CDMA/GSM/DCS/3G	0.6	0.5	60@2400-2500MHz	100	*	190 x 116 x 58
	1710-2170	CDMA/GSM/DCS/3G	0.6	0.5	60@2400-2500MHz	100	*	190 x 116 x 58
	2400-2500	WLAN	0.6	0.5	60	100	*	190 x 116 x 58
CCFU8U90675H	825-880	CDMA-GSM	0.6	0.3	75	200	1.25:1	*
	909-960	CDMA-GSM	0.6	0.3	75	200	1.25:1	*
CCFU8U91211S	825-880	CDMA	1.2	0.8	110@909-960MHz	200	*	208 x 148 x 48
	909-960	GSM	1.2	0.8	110@825-880MHz	200	*	208 x 148 x 48
CCFU9010570H	825-960	CDMA-GSM-DCS	0.5	0.3	70@1710MHz	200	1.2:1	261 x 53 x 28
	1710-1880	CDMA-GSM-DCS	0.5	0.3	80@960MHz	200	1.2:1	261 x 53 x 28
CCFU9020860H	825-960	CDMA-GSM	0.8	0.4	60	100	1.3:1	151 x 150 x 52
	1900-2170	PHS-WCDMA	0.8	0.4	80@825-960MHz	100	1.3:1	151 x 150 x 52
	2400-2483.5	WLAN	0.8	0.4	80@825-960MHz	100	1.3:1	151 x 150 x 52
CCFU9010518S	880-960	CDMA-GSM	0.5	18	90	100	*	272 x 53 x 25
	1710-1880	DCS	0.5	18	90	100	*	272 x 53 x 25
CCFU9020610H	890-960	PHS-WCDMA-WLAN	0.6	0.3	100	100	1.25:1	174 x 160 x 36
	2400-2483.5	PHS-WCDMA-WLAN	0.6	0.3	100	100	1.25:1	174 x 160 x 36
CCF01021870H	1900-1910	PHS-WCDMA	1.8	0.5	70@1900-1910MHz	100	1.2:1	151 x 116 x 31
	1925-1980	PHS-WCDMA	1.8	0.5	70@1900-1910MHz	100	1.2:1	151 x 116 x 31
	2110-2170	PHS-WCDMA	1.8	0.5	70@1900-1910MHz	100	1.2:1	151 x 116 x 31



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CCF01022050S	1900-1910	PHS	2.0	0.8	50@DC-1880MHz *	100	*	208 x 140 x 37
	1920-1980	3G	1.4	0.8	70@1880-1910MHz *	100	*	208 x 140 x 37
	2110-2170	3G	0.8	0.8	70@1880-1910MHz *	100	*	208 x 140 x 37
CCF01020880S	1900-1920	PHS	0.8	0.5	80@2400-2500MHz	100	*	170 x 67.5 x 37
	2400-2500	WLAN	0.6	0.5	80@1900-1920MHz	100	*	170 x 67.5 x 37
CCF02020660S	1920-2170	3G	0.6	0.5	60@2400-2500MHz	200	*	170 x 67.5 x 37
	2400-2500	WLAN	0.6	0.5	60@1710-2170MHz	200	*	170 x 67.5 x 37
CCF02020580S	1900-2170	3G	0.55	0.5	80@2400-2500MHz	200	*	200 x 67.5 x 37
	2400-2500	WLAN	0.5	0.5	80@1900-2170MHz	200	*	200 x 67.5 x 37

OTHER FREQUENCIES ARE ALSO AVAILABLE.

*CONSULT THE FACTORY

3-Way:

Model Number	Frequency Range (MHz)	Frequency Category	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection (dB) Min.	Power Avg (W) Max.	VSWR Max.	Case Type (mm)
CCFU8010675H	825-880	CDMA-GSM	0.6	0.3	75	200	1.25:1	206 x 196 x 53
	909-960	CDMA-GSM	0.6	0.3	75	200	1.25:1	206 x 196 x 53
	1710-1880	CDMA-GSM	0.6	0.3	75	200	1.25:1	206 x 196 x 53
CCFU8010675S	825-880	CDMA	0.6	0.3	75@909-960MHz	100	*	202 x 160 x 57
	909-960	GSM	0.6	0.3	75@825-880MHz	100	*	202 x 160 x 57
	1710-1880	DCS	0.6	0.3	90@820-960MHz	100	*	202 x 160 x 57
CCF01023050S	1900-1910	PHS	3.0	0.8	50@DC-1880MHz *	100	*	216 x 255 x 43
	1920-1980	WCDMA	3.0	1.5	50@DC-1880MHz *	100	*	216 x 255 x 43
	2110-2170	WCDMA	1.2	1.5	50@DC-1880MHz *	100	*	216 x 255 x 43
	2400-2500	WLAN	1.2	0.5	50@DC-1900MHz *	100	*	216 x 255 x 43

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4-Way:

Model Number	Frequency Range (MHz)	Frequency Category	Insertion Loss (dB) Max.	In-band Ripple (dB) Max.	Rejection (dB) Min.	Power Avg (W) Max.	VSWR Max.	Case Type (mm)
CCFU8U91585H	825-835	CDMA-GSM	1.5	1.5	85	200	1.3:1	228 x 106 x 78
	870-880	CDMA-GSM	1.5	1.5	85	200	1.3:1	228 x 106 x 78
	909-915	CDMA-GSM	1.5	1.5	85	200	1.3:1	228 x 106 x 78
	954-960	CDMA-GSM	1.5	1.5	85	200	1.3:1	228 x 106 x 78

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CERNEXWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.