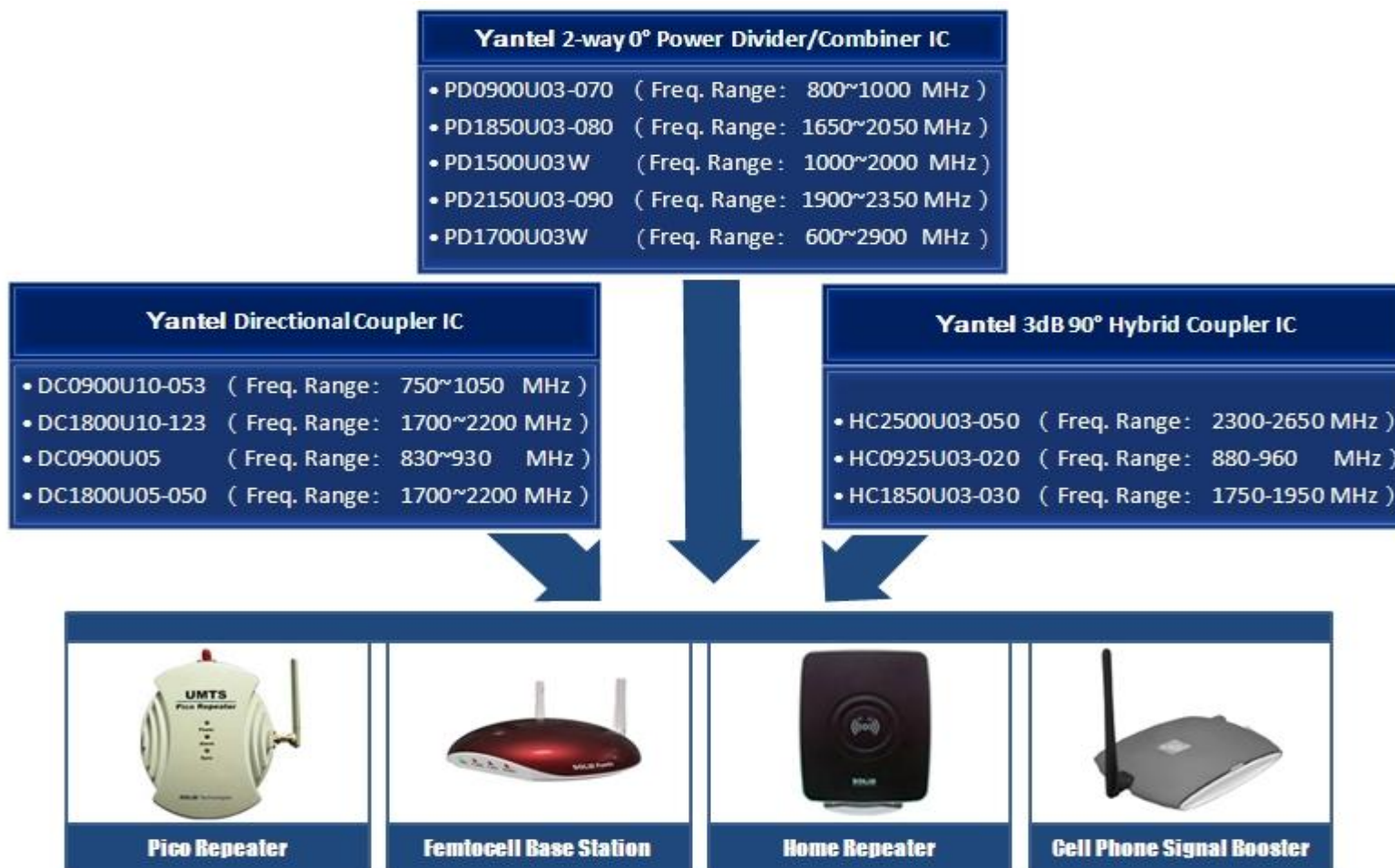
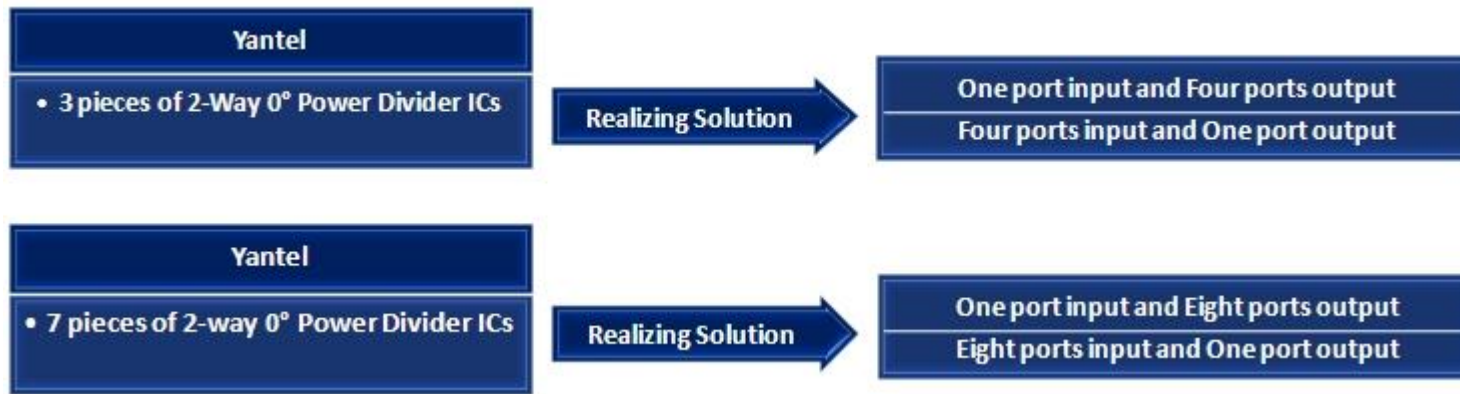


1. Yantel's 2-Way 0° Power Divider/Combiner IC, Directional Coupler IC, 3dB 90° Hybrid Coupler IC applied to Pico Repeater, Home Repeater etc.



2. The application solution of Yantel's 2-Way 0° Power Divider IC for Pico Repeater, Home Repeater etc.



Yantel Product Advantage:

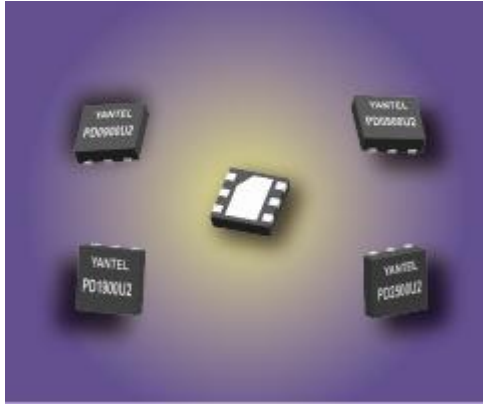
Cost Advantage:

- The cost of Yantel's 2-Way 0° Power Divider/Combiner IC, Directional Coupler IC, 3dB 90° Hybrid Coupler IC is lower 40% than the one of other manufacturers.

Performance Advantage:

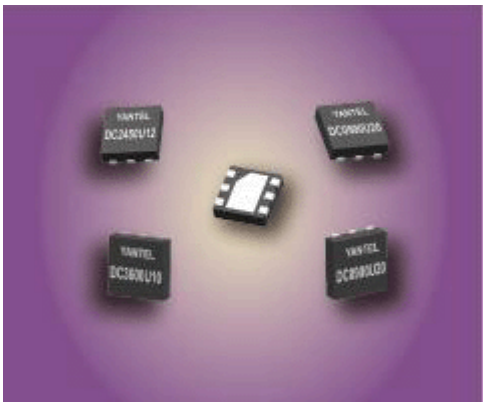
- Low Loss & Low VSWR; Excellent amplitude & phase balance; High Isolation; Excellent repeatability
- No need external 100Ω Resistor (for 2-way 0° Power Divider/Combiner IC)

3. Yantel's 2-way 0° Power Divider/Combiner IC



Part No.	Freq.Range (MHz)	Power (W) as a divider	Power (W) as a combiner	Package Size LXW (mm)	Insertion loss (dB)	Amplitude Balance (dB)	Phase Balance (deg)	Isolation (dB)	Input VSWR (:1)	Output VSWR (:1)
PD0500U03-210	280~610	2	1	2X2	0.60	0.1	0.5	12-20	1.40	1.20
PD0900U03-070	800~1000	2	1	2X2	0.40	0.1	0.5	20	1.20	1.12
PD1500U03-140	1350~1650	2	1	2X2	0.35	0.1	0.5	20	1.20	1.20
PD1500U03W	1000~2000	2	1	2X2	0.70	0.1	0.5	10	1.50	1.45
PD1700U03W	600~2900	2	1	3X3	0.70	0.1	0.5	11-27	1.2-1.6	1.1-1.6
PD1850U03-080	1650~2050	2	1	2X2	0.40	0.1	0.5	20	1.20	1.17
PD2150U03-090	1900~2350	2	1	2X2	0.40	0.1	0.5	20	1.20	1.17
PD2450U03-100	2200~2650	2	1	2X2	0.40	0.1	0.5	20	1.20	1.18
PD3550U03-110	3300~3800	2	1	2X2	0.40	0.1	0.5	20	1.20	1.20

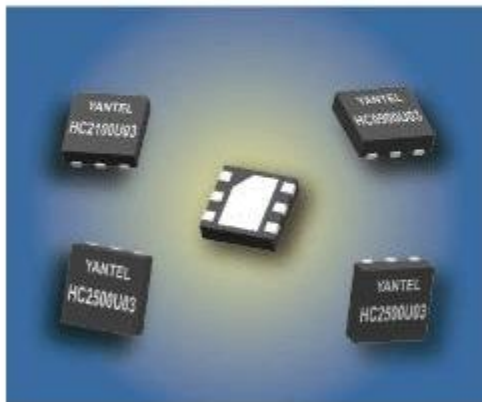
4. Yantel's Directional Coupler Chip



Part No.	Freq.Range (MHz)	Power (W)	Size LXW (mm)	Coupling (dB)	Insertion loss(dB)	VSWR (:1)	Directivity (dB)
DC0410U20-060	350-410	5	2X2	18.3-19.5	0.11	1.06	20.2
	410-470	5	2X2	17-18.3	0.11	1.06	19.7
DC0850U20-122	730-800	5	2X2	20.7-21.5	0.10	1.06	28.1
	800-870	5	2X2	20.0-20.7	0.10	1.06	28.9
	870-970	5	2X2	19.1-20.0	0.10	1.06	29.5

DC0900U05	830-880	5	2X2	4.7-4.8	0.25	1.03	25.2
	880-930	5	2X2	4.5-4.6	0.25	1.03	24.8
DC0900U10-053	750-850	5	2X2	10-10.9	0.17	1.05	18.7
	850-950	5	2X2	9.2-10	0.16	1.05	19
	950-1050	5	2X2	8.4-9.2	0.18	1.05	19.3
DC1800U05-050	1700-1850	5	2X2	4.6-5.1	0.22	1.12	18.5
	1850-2050	5	2X2	4.2-4.6	0.18-0.21	1.14	19.4
	2050-2200	5	2X2	3.8-4.2	0.18	1.15	20.1
DC1800U10-123	1700-1850	4	2X2	10.7	0.25	1.04	32
	1850-2050	4	2X2	10-10.4	0.26	1.04	34
	2050-2200	4	2X2	9.5	0.29	1.03	36
DC4000U10-120	1700-2700	4	2X2	12.5~14.5	0.55	1.28	19
	2700-4000	4	2X2	11	0.85	1.25	25

5. Yantel's 3dB 90 °Hybrid Coupler Chip



Part No.	Freq.Range (MHz)	Power (W)	package Size LXW (mm)	Package type	Insertion loss(dB)	Amplitude Balance(dB)	Phase Balance	Isolation (dB)	Return Loss(dB)
HC0850U03-010	820-900	4	2X2	A	0.35	± 0.5	± 1.5	30	25
HC0925U03-020	880-960	4	2X2	A	0.35	± 0.5	± 1.5	25	30
HC1150U03-190	1120-1260	4	2X2	A	0.35	± 0.5	± 1.5	30	30
HC1650U03-200	1550-1750	4	2X2	A	0.35	± 0.5	± 1.5	35	30
HC1850U03-030	1750-1950	4	2X2	A	0.35	± 0.5	± 1.0	30	30
HC2150U03-040	2050-2250	4	2X2	A	0.35	± 0.5	± 1.0	30	30
HC2500U03-050	2300-2650	4	2X2	A	0.35	± 0.5	± 1.0	30	30
HC2500U03-055	2300-2650	4	2X2	B	0.35	± 0.5	± 1.0	30	25
HC3550U03-060	3300-3800	4	2X2	A	0.35	± 1	± 2.0	20	20