

Directional Coupler

PART NUMBER

A CP
X XX
XX XXX
XXX
① ②
③ ④
⑤
⑥

- ① Apps Electronics Limited
- ② Product series
- ③ Form Factor
- ④ Size Number
- ⑤ Impedance/Coupling
- ⑥ Design series Code

Form Factor

B: Bobbin/Pin Base
 P: PCB base
 C: Ceramic base or SMD core
 F: Ferrite SMD core
 Other...

XX: Form sequence code
XX XXX: XX ohm, XXX Coupler
XXX: Design series Code

Series	Function description
BT/BL/WB	Balun Transformer
PD/PS	Power Divider/Power Splitter
PC	Power Combiner
CP	Directional Coupler, branch line hybrid/coupler
CL	Coupler+LPF
TF	RF Transformer(non-Balun, SE/SE, BA/BA)
LP/HP/BP/DP/TP	Filter(Lowpass/Highpass/Bandpass/Diplexer/Triplexer)
PT/PM	Power Transformer/Power Module
CM	C.M. Choke
E	Lan Transformer/RJ45/Air Coil
	Other...

ELECTRICAL SPECIFICATIONS@25°C:

Part Number	Coupled	Frequency MHz	Main Line Loss (Max dB)	Return Loss (Min dB)	Isolation (Min dB)	Built-in Resistance
ACP-B02-75012-005	12	5-1000	1.5	17	15	No
ACP-B02-75016-007	16	5-1000	1.3	17	18	No
ACP-P28-75017-137	17.5	5-1225	0.85	20	28	No
ACP-P29-75010-140	10	5-1225	1.8	12	19	No
ACP-P14-75008-182	7.5	5-1225	2.5	12	17	No
ACP-P14-75012-186	12	5-1250	2	15	20	No
ACP-B02-75009-187	9	5-1200	2.3	14	15	No
ABL-C11-75010-188	10	5-1000	2	12	14	No
ACP-B02-75009-191	9	5-1200	2.3	14	15	No
ACP-C11-50012-192	12	5-2250	3.6	12	20	No
ACP-P45-75014-203	14	5-3250	3.6	10	15	No
ACP-P45-75012-206	12	5-3250	3.6	9	15	No

Refer to datasheets for pin-out, phasing and dimension details

Power Divider

PART NUMBER

A PD - X XX - XX XXX - XXX
 ① ② ③ ④ ⑤ ⑥

- ① Apps Electronics Limited
- ② Product series
- ③ Form Factor
- ④ Size Number
- ⑤ Impedance/Way
- ⑥ Design series Code

Form Factor
B: Bobbin/Pin Base
P: PCB base
C: Ceramic base or SMD core
F: Ferrite SMD core
Other...

XX: Form sequence code
XX XXX:XX ohm,X Way XX Degree
XXX: Design series Code

Series	Function description
BT/BL/WB	Balun Transformer
PD/PS	Power Divider/Power Splitter
PC	Power Combiner
CP	Directional Coupler, branch line hybrid/coupler
CL	Coupler+LPF
TF	RF Transformer(non-Balun, SE/SE, BA/BA)
LP/HP/BP/DP/TP	Filter(Lowpass/Highpass/Bandpass/Diplexer/Triplexer)
PT/PM	Power Transformer/Power Module
CM	C.M. Choke
E	Lan Transformer/RJ45/Air Coil
	Other...

ELECTRICAL SPECIFICATIONS@25°C:

Part Number	Way	Frequency MHz	Main Line Loss (Max dB)	Return Loss (Min dB)	Isolation (Min dB)	Built-in Resistance
APD-B04-75200-003	2	5-1000	2.2	17	0.9	No
APD-P13-75200-048	2	5-1600	1.6	16	0.8	No
APD-P13-75200-051	2	5-2150	3.2	11	1.5	No
APD-P13-75200-095	2	5-1600	2.7	9	1.3	No
APD-P13-75200-096	2	5-1000	4	20	0.6	No
APD-P13-75200-106	2	5-1600	2.7	9	1.3	No
APD-B04-75200-113	2	5-100	1	18	0.5	No
APD-P13-75200-139	2	5-1218	1.5	15	0.7	No
APD-B04-50200-176	2	5-1000	4.5	8	0.7	No
APD-P13-75200-198	2	5-1200	2	15	1	No
APD-P13-75200-202	2	5-2150	3.2	11	1.5	No
APD-P13-75200-234	2	5-2150	3.2	11	1.5	No

Refer to datasheets for pin-out, phasing and dimension details