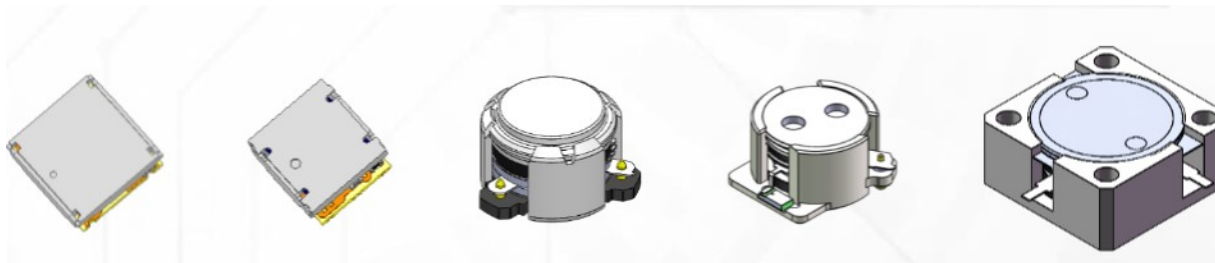


Circulator and Isolator

Features

- **Frequency: 200MHz ~ 9GHz**
- **Insertion loss: 0.15dB (minimum) 0.2~0.35dB (typical)**
- **Input and output return loss: 20dB (minimum) 25~28dB (typ) Isolation: 20dB (minimum) 25~30dB (typ)**
- **Third-order intermodulation IMD: 60dB (minimum) 65~80dB (typical)**
- **Input and output impedance real part: 50 ± 5 Ohm (tolerance can be adjusted according to customer requirements)**



Specifications general

Drop In Series

Part Number	Product Type	Frequency (MHz)	Size (mm)	Direction	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Forward Power (W)	Peak Power (W)
DP0453S	Isolator	1610-1675	12.7*12.7	CW	0.45	20	20	50	400
DP0180C	Circulator	930-960	20*20	CCW	0.4	20	19	100	800
DP0173S	Isolator	918-960	25.4*31.7	CW	0.25	23	21	200	1600
DP0166S	Isolator	925-960	25.4*31.7	CCW	0.25	23	21	200	1600
DP0168S	Isolator	1805-1880	25.4*31.7	CCW	0.25	23	21	200	1600
DP0175C	Circulator	390-400	30*30	CW	0.35	20	20	200	1600
DP0177C	Circulator	420-430	30*30	CW	0.35	20	20	200	1600
DP0037S	Isolator	410-470	35*39	CW	0.25	21	21	400	3000
DP1031C	Circulator	700-798	38.1*38.1	CW	0.4	23	21	400	3000
DP1033C	Circulator	960-1224	38.1*38.1	CW	0.4	23	21	400	3000

DP0355C	Circulator	1340-1530	38.1*38.1	CW	0.4	50	21	400	3000
DP0353C	Circulator	1615-1800	38.1*38.1	CW	0.4	50	21	400	3000
DP1023S	Isolator	700-798	38.1*45.8	CW	0.4	23	21	1000	/
DP1025S	Isolator	960-1224	38.1*45.8	CW	0.4	23	21	1000	/
DP0391C	Circulator	320-344	42*42	CW	0.4	20	21	400	3000
DP0392C	Circulator	320-344	42*42	CCW	0.4	20	21	400	3000

- **Drop In (high power) Circulator & Isolator**

- 12.7*12.7mm . 19*19mm . 19x25.4mm . 25.4*25.4mm . 25.4x31.8mm . 31.8*31.8mm . 31.8*38.8mm . 38*38mm
- 35x42mm . 82x82mm etc.

SMD High Power

Part Number	Product Type	Frequency Band (MHz)	Size (mm)	Direction	Insertion Loss (dB)	Isolation Return Loss Forward Power			Peak Power (W)
						(dB)	(dB)	(W)	
DP0411S	Isolator	1805-2170	12.5	CW	0.5	17	17 50		400
DP0412S	Isolator	1805-2170	12.5	CCW	0.5	17	17 50		400
DP0216C	Circulator	2110-2200	12.5	CCW	0.3	20	21 50		400
DP0240C	Circulator	2496-2690	12.5	CCW	0.35	18	20.8 21	50	400
DP0218C	Circulator	3400-3800	12.5	CCW	0.28	21		50	400
DP0133C	Circulator	3550-3700	12.5	CW	0.3	21 21		50	400
DP0134C	Circulator	3550-3700	12.5	CCW	0.3	21	21	50 400	
DP1007S	Isolator	5850-7125	12.5	CW	0.5	20	18	50 400	
DP1008S	Isolator	5850-7125	12.5	CCW	0.5	20	18	50	400
DP1005S	Isolator	7050-8550	12.5	CW	0.5	20	18	50	400
DP1006S	Isolator	7050-8550	12.5	CCW	0.5	20	18	50	400
DP0507C	Circulator	703-733	15.5	CW	0.5	21	21	75	600
DP0527C	Circulator	758-803	15.5	CW	0.35	18	18	75	600
DP0151C	Circulator	1805-1880	15.5	CW	0.35	18	21	75	600
DP0149C	Circulator	1880-1920	15.5	CW	0.35	18	21	75	600
DP0147C	Circulator	2110-2170	15.5	CW	0.35	18	21	75	600
DP0145C	Circulator	2300-2400	15.5	CW	0.35	18	21	75	600
DP0236C	Circulator	2300-2400	15.5	CCW	0.25	23	20	75	600
DP0339C	Circulator	2320-2370	15.5	CW	0.25	23	23	75	600
DP0340C	Circulator	2320-2370	15.5	CCW	0.25	23	23	75	600
DP0383C	Circulator	2496-2690	15.5	CW	0.35	18	18	75	600

DP0143C	Circulator	2500-2700	15.5	CW	0.35	18	21	75	600
DP0234C	Circulator	3400-3600	15.5	CCW	0.3	23	20	75	600
DP0245C	Circulator	3700-3980	15.5	CW	0.25	20	23	75	600

Part Number	Product Type	Frequency Band (MHz)	Size (mm)	Direction	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Forward Power (W)	Peak Power (W)
DP0223S	Isolator	1452-1496	18.2	CW	0.2	26	25	80	640
DP0193C	Circulator	758-803	20.4	CW	0.25	20	20	100	800
DP0194C	Circulator	758-803	20.4	CCW	0.25	20	20	100	800
DP0169C	Circulator	869-896	20.4	CW	0.25	21	21	100	800
DP0181C	Circulator	925-960	20.4	CW	0.25	21	21	100	800
DP0171C	Circulator	1805-1880	20.4	CW	0.25	23	23	100	800
DP0287S	Isolator	1805-1880	20.4	CW	0.25	21	21	100	800
DP0117C	Circulator	2100-2180	20.4	CW	0.28	23	23	100	800
DP0285S	Isolator	2110-2170	20.4	CW	0.25	21	21	100	800
DP0444C	Circulator	2110-2170	20.4	CCW	0.25	21	21	100	800
DP0471S	Isolator	2110-2170	20.4	CW	0.18	21	21	100	800
DP0429C	Circulator	2300-2400	20.4	CW	0.3	20	20	100	800

DP0547C	Circulator	2300-2400	20.4	CW	0.23	21	21	100	800
DP0446C	Circulator	2515-2675	20.4	CCW	0.25	21	21	100	800
DP0448C	Circulator	3300-3600	20.4	CCW	0.25	21	21	100	800
DP0313C	Circulator	3400-3600	20.4	CW	0.3	21	21	100	800
DP0488C	Circulator	4800-4960	20.4	CCW	0.25	21	21	100	800
DP0539C	Circulator	4800-5000	20.4	CW	0.25	20	20	100	800
DP0464S	Isolator	1805-1880	21.4	CCW	0.22	20	20	100	800
DP0247S	Isolator	2110-2200	21.4	CW	0.2	22	20	100	800
DP0466S	Isolator	2110-2200	21.4	CCW	0.22	20	20	100	800
DP0468S	Isolator	2620-2690	21.4	CCW	0.22	20	20	100	800

Part Number	Product Type	Frequency Band (MHz)	Size (mm)	Direction	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Forward Power (W)	Peak Power (W)
DP0442C	Circulator	758-798	27	CCW	0.25	21	21	200	1600
DP0275C	Circulator	758-803	27	CW	0.3	21	21	200	1600
DP0449C	Circulator	1805-1880	27	CW	0.25	23	23	200	1600

DP0450C	Circulator	1805-1880	27	CCW	0.25	23	23	200	1600
DP0273C	Circulator	2110-2170	27	CW	0.3	22	22	200	1600
DP0213S	Isolator	758-821	27.28	CW	0.3	19	19	250	2000
DP0227S	Isolator	791-821	27.28	CW	0.25	24	22	250	2000
DP0327C	Circulator	1930-1995	27.28	CW	0.25	20	20	250	2000
DP0331C	Circulator	2110-2200	27.28	CW	0.25	20	20	250	2000
DP0335C	Circulator	3700-3980	27.28	CW	0.25	20	20	250	2000
DP0249S	Isolator	758-803	27.3	CW	0.25	22	20	250	2000
DP0372C	Circulator	2496-2690	28.4	CCW	0.35	18	20.8	250	2000
DP1011S	Isolator	758-821	28.5	CW	0.35	18	18	250	2000
DP1009S	Isolator	617-652	31	CW	0.3	20	20	300	2400
DP0251S	Isolator	456-472.5	35.1	CW	0.3	20	20	300	2400
DP0265C	Circulator	617-652	35.1	CW	0.35	20	20	300	2400
DP0266C	Circulator	617-652	35.1	CCW	0.35	20	20	300	2400
DP0403S	Isolator	617-652	35.1	CW	0.35	20	20	300	2400
DP0469S	Isolator	361-366	62*127	CW	0.5	60	23	300	2400

Part Number	Product Type	Frequency Band (MHz)	Size (mm)	Direction	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Forward Power (W)	Peak Power (W)
DP2779C	Circulator	758-788	10.2	CW	0.55/0.65	16/15	16/15	30	240
DP2780C	Circulator	758-788	10.2	CCW	0.55/0.65	16/15	16/15	30	240
DP3011C	Circulator	773-803	10.2	CW	0.55/0.65	16/15	16/15	30	240
DP3012C	Circulator	773-803	10.2	CCW	0.55/0.65	16/15	16/15	30	240
DP3085C	Circulator	758-803	10.2	CW	0.65/0.75	15/13	15/13	30	240
DP3086C	Circulator	758-803	10.2	CCW	0.65/0.75	15/13	15/13	30	240
DP3093C	Circulator	859-894	10.2	CW	0.45/0.55	18/16	18/16	30	240
DP3094C	Circulator	859-894	10.2	CCW	0.45/0.55	18/16	18/16	30	240
DP2611C	Circulator	925-960	10.2	CW	0.4	18/16	18/16	30	240
DP2612C	Circulator	925-960	10.2	CCW	0.4	18/16	18/16	30	240
DP0280C	Circulator	1805-1880	10.2	CCW	0.3	21	21	30	240
DP0325C	Circulator	1930-1995	10.2	CW	0.25	20	20	30	240
DP0312C	Circulator	2110-2170	10.2	CCW	0.3	21	21	30	240
DP0329C	Circulator	2110-2200	10.2	CW	0.25	20	20	30	240
DP0358C	Circulator	2320-2370	10.2	CCW	0.3	21	21	30	240
DP0189C	Circulator	2496-2690	10.2	CW	0.25	21	22	30	240
DP0220C	Circulator	3300-3600	10.2	CCW	0.3	20	20	30	240
DP0013C	Circulator	3300-3800	10.2	CW	0.4	20	20	30	240
DP0187C	Circulator	3400-3600	10.2	CW	0.23	21	22	30	240

DP0027C	Circulator	3400-3700	10.2	CW	0.23	20	20	30	240
DP0231C	Circulator	3400-3800	10.2	CW	0.3	20	20	30	240
DP0232C	Circulator	3400-3800	10.2	CCW	0.3	20	20	30	240
DP0209C	Circulator	3600-3800	10.2	CW	0.35	20	20	30	240
DP0229C	Circulator	3600-3800	10.2	CW	0.23	21	22	30	240
DP0230C	Circulator	3600-3800	10.2	CCW	0.23	21	22	30	240
DP0333C	Circulator	3700-3980	10.2	CW	0.25	20	20	30	240
DP0297C	Circulator	4800-5000	10.2	CW	0.32	20	20	30	240
DP0298C	Circulator	4800-5000	10.2	CCW	0.32	20	20	30	240
DP0490C	Circulator	4800-5200	10.2	CCW	0.4	17	7	30	240

Part Number	Product Type	Frequency Band (MHz)	Size (mm)	Direction	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Forward Power (W)	Peak Power (W)
DP0363C	Circulator	2320-2370	7	CW	0.3	22	22	20	160
DP1021C	Circulator	2320-2370	7	CW	0.55	17	17	20	160
DP0407C	Circulator	2496-2690	7	CW	0.3	20	20	20	160
DP0408C	Circulator	2496-2690	7	CCW	0.3	20	20	20	160
DP0309C	Circulator	2515-2675	7	CW	0.3	20	22	20	160
DP0310C	Circulator	2515-2675	7	CCW	0.3	20	22	20	160
DP0283C	Circulator	3300-3600	7	CW	0.35	19	19	20	160
DP0284C	Circulator	3300-3600	7	CCW	0.35	19	19	20	160
DP0119C	Circulator	3300-3800	7	CW	0.5	16	16	20	160
DP0401C	Circulator	3400-3600	7	CW	0.23	21	22	20	160
DP0402C	Circulator	3400-3600	7	CCW	0.23	21	22	20	160
DP0277C	Circulator	3400-3700	7	CW	0.33	18	18	20	160
DP0417C	Circulator	3400-3800	7	CW	0.3	20	22	20	160
DP0418C	Circulator	3400-3800	7	CCW	0.3	20	22	20	160
DP0289C	Circulator	3420-3800	7	CW	0.35	20	21	20	160
DP1019C	Circulator	3450-3650	7	CW	0.35	20	20	20	160
DP0515C	Circulator	3500-4000	7	CW	0.45	17	17	20	160
DP1027C	Circulator	3520-3560	7	CW	0.35	20	20	20	160
DP1028C	Circulator	3520-3560	7	CCW	0.35	20	20	20	160
DP0281C	Circulator	3550-3700	7	CW	0.3	20	20	20	160
DP0282C	Circulator	3550-3700	7	CCW	0.3	20	20	20	160
DP0405C	Circulator	3600-3800	7	CW	0.25	21	20	20	160
DP0406C	Circulator	3600-3800	7	CCW	0.25	21	20	20	160
DP1029C	Circulator	3700-3800	7	CW	0.35	20	20	20	160
DP1030C	Circulator	3700-3800	7	CCW	0.35	20	20	20	160
DP0121C	Circulator	4400-5000	7	CW	0.5	16	16	20	160



coftech GmbH
Heinrich-Held-Str. 33 · 45133 Essen (Germany)
Phone: +49(0)201/87225-0 · Fax: +49(0)201/8722555
Email: info@coftech.de · Internet: www.coftech.de

This is just a small excerpt of our possibilities.
For Circulator & Isolator in other dimensions and frequencies
please contact us.
