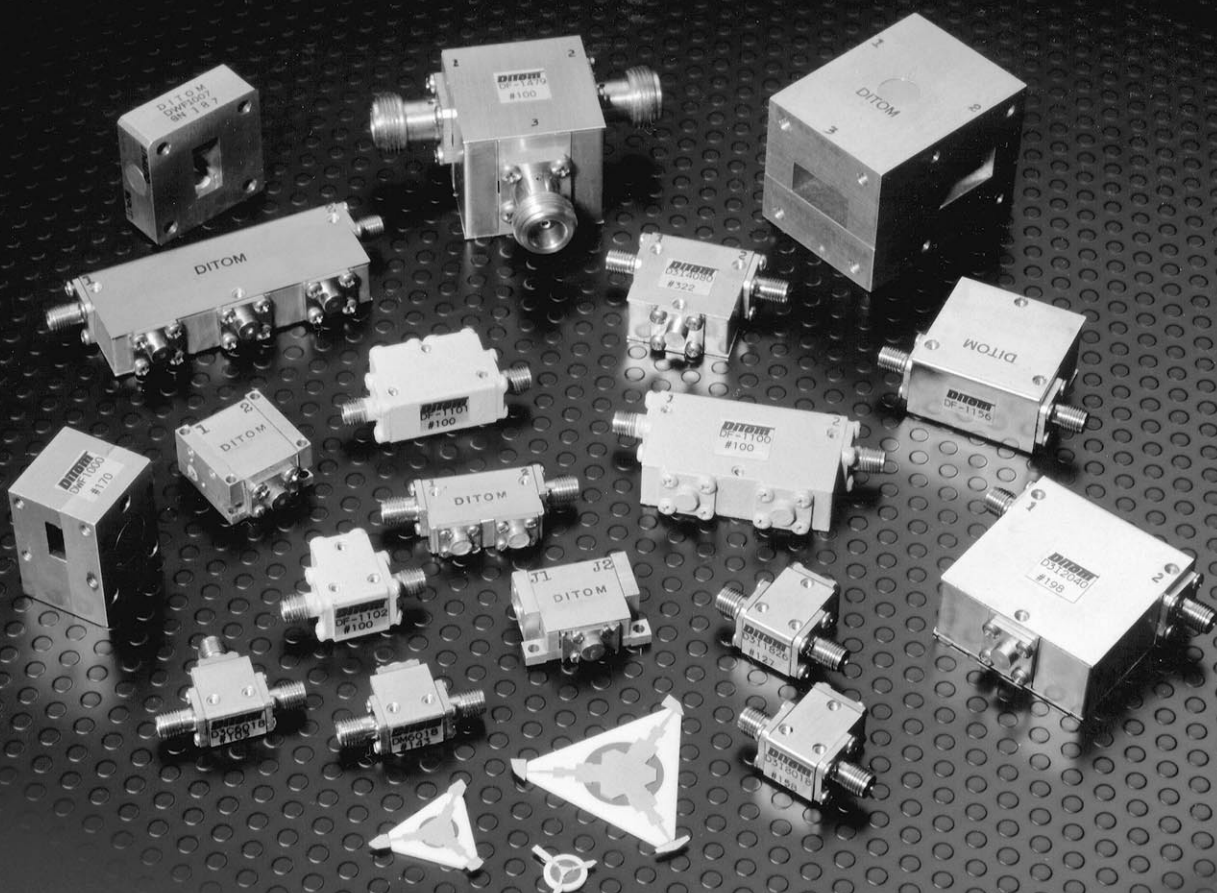


DITOM
MICROWAVE INC.

Microwave Isolators and Circulators



**24 HOUR
SHIPPING ON
IN-STOCK
ITEMS**



Single Junction — Octave/Broadband Isolators and Circulators

Frequency ¹ Range (GHz)	Isolator Model Number	Circulator Model Number	Isolation (dB)		Insertion Loss (dB)		VSWR		Power ² (Watts)		Operating Temperature Range ³ (°C)	Outline Number	Approx Weight Oz (gm)
			Typ	Min	Typ	Max	Typ	Max	Avg	Pk			
2.0–4.0	D3I 2040	D3C 2040	20	18	0.40	0.50	1.25	1.30	2	20	0 to +50	1	3.5 (100)
2.0–6.0	D3I 2060	D3C 2060	15	14	0.70	0.80	1.45	1.50	2	20	0 to +50	1	3.5 (100)
2.0–8.0	D3I 2080	D3C 2080		10		1.50		2.00	2	20	0 to +50	1	6.9 (195)
2.6–5.2	D3I 2652	D3C 2652	20	18	0.40	0.50	1.25	1.30	2	20	0 to +50	1	3.5 (100)
3.0–6.0	D3I 3060	D3C 3060	21	19	0.35	0.40	1.25	1.30	2	20	0 to +50	2	2.0 (60)
3.5–7.0	D3I 3570	D3C 3570	20	17	0.35	0.50	1.25	1.35	2	20	0 to +50	3	1.2 (35)
3.7–8.3	D3I 3783	D3C 3783	18	17	0.50	0.60	1.30	1.35	2	20	0 to +50	3	1.2 (35)
4.0–8.0	D3I 4080	D3C 4080	22	20	0.35	0.40	1.18	1.25	2	20	-10 to +60	3	1.2 (35)
6.0–12.4	D3I 6012	D3C 6012	19	17	0.50	0.60	1.30	1.35	2	20	-10 to +60	6	1.0 (30)
7.0–11.0	D3I 7011	D3C 7011	22	20	0.35	0.40	1.18	1.25	2	500	-30 to +85	4	1.0 (30)
7.0–18.0	D3I 7018	D3C 7018	16	15	0.90	1.00	1.45	1.50	2	30	-10 to +85	5	0.9 (25)
8.0–12.4	D3I 8012	D3C 8012	22	20	0.35	0.40	1.18	1.25	2	500	-30 to +85	4	1.0 (30)
8.0–16.0	D3I 8016	D3C 8016	19	17	0.50	0.60	1.30	1.35	2	30	-20 to +65	5	0.9 (25)
8.0–18.0	D3I 8018	D3C 8018	17	16	0.70	0.80	1.40	1.45	2	30	-10 to +85	5	0.9 (25)
8.0–20.0	D3I 8020	D3C 8020		15	0.70	1.00		1.45	2	30	-10 to +85	5	0.9 (25)
10.0–20.0	D3I 1020	D3C 1020	17	16	0.60	0.70	1.35	1.40	2	30	-20 to +65	5	0.9 (25)
12.0–18.0	D3I 1218	D3C 1218	22	20	0.45	0.50	1.18	1.25	2	30	-20 to +65	5	0.9 (25)
18.0–26.5	D3I 1826	D3C 1826	20	18	0.70	0.80	1.35	1.40	2	30	-20 to +65	5	0.9 (25)
20.0–30.0	D3I 2030	D3C 2030	20	18	0.60	0.70	1.35	1.40	2	30	-20 to +65	5*	0.9 (25)
20.0–40.0	D3I 2004	D3C 2004		12		1.50		1.65	2	30	-20 to +65	5*	0.9 (25)
26.5–40.0	D3I 2640	D3C 2640	15	14	0.80	1.00	1.45	1.50	2	30	-20 to +65	5*	0.9 (25)



Models in **BOLD** type are **in-stock** and **ship within 24 hours ARO**.

Single Junction — EW/Broadband Isolators and Circulators

Frequency ¹ Range (GHz)	Isolator Model Number	Circulator Model Number	Isolation (dB)		Insertion Loss (dB)		VSWR		Power ² (Watts)		Operating Temperature Range ⁵ (°C)	Outline Number	Approx Weight Oz (gm)
			Typ	Min	Typ	Max	Typ	Max	Avg	Pk			
2.6–5.3	DMI 2652	DMC 2652	16	15	0.90	1.00	1.45	1.50	2	20	-30 to +75	9	0.70 (20)
5.0–10.7	DMI 5011	DMC 5011	16	15	0.90	1.00	1.40	1.45	2	20	-30 to +75	10	0.53 (15)
5.9–12.5	DMI 5912	DMC 5912	19	17	0.50	0.60	1.30	1.35	2	20	-40 to +85	10	0.53 (15)
6.0–18.0	DMI 6018	DMC 6018	15	14	0.90	1.00	1.45	1.50	2	20	0 to +85	11	0.40 (11)
6.5–13.1	DMI 6513	DMC 6513	17	16	0.70	0.80	1.40	1.45	2	20	-40 to +85	11	0.40 (11)
6.5–18.0	DMI 6518	DMC 6518	15	14	0.90	1.00	1.45	1.50	2	20	0 to +85	11	0.40 (11)
7.4–17.2	DMI 7417	DMC 7417	18	16	0.60	0.80	1.40	1.45	2	20	-55 to +85	11	0.40 (11)
10.4–18.4	DMI 1018	DMC 1018	20	17	0.50	0.80	1.30	1.35	2	20	-55 to +85	11	0.40 (11)

Notes:

- Other frequencies available on request.
- Consult factory for power handling capability of circulator.
- Storage temperature range is -55°C to +100°C. All units will operate -54°C to +85°C. Consult factory for specifications.
- Connector and termination locations are interchangeable.
- Storage temperature range is -55°C to +125°C.
- Models in **BOLD** type are **in-stock** and **ship within 24 hours ARO**.

See Outline Drawings on Page 3.

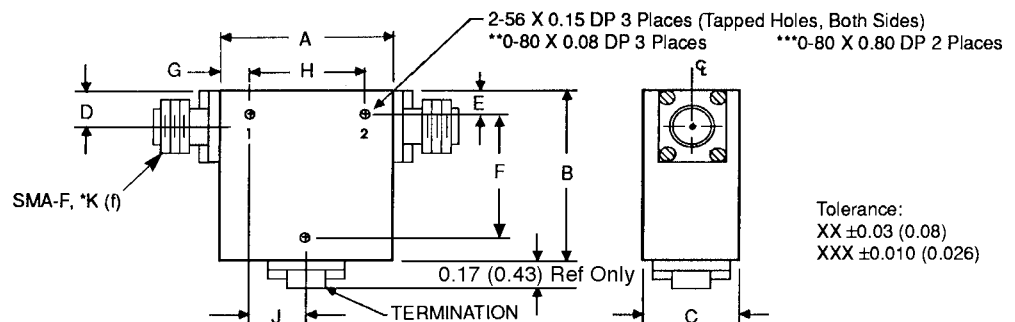
Outline Number	Dimension - Inches (Centimeters)							
	A	B	C	D	E	F	G	H
9**	1.00 (2.54)	1.00 (2.54)	0.38 (0.97)	0.19 (0.48)	0.19 (0.48)	0.650 (1.651)	0.10 (0.25)	0.800 (2.032)
10**	0.75 (1.91)	0.75 (1.91)	0.38 (0.97)	0.19 (0.48)	0.19 (0.48)	0.425 (1.079)	0.10 (0.25)	0.550 (1.397)
11***	0.50 (1.27)	0.58 (1.47)	0.38 (0.97)	0.19 (0.48)	0.19 (0.48)	—	0.10 (0.25)	0.300 (0.762)

Single Junction — High Performance/Narrowband Isolators and Circulators

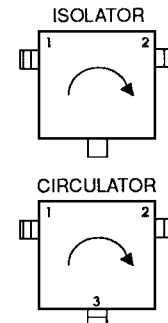
Frequency ¹ Range (GHz)	Isolator Model Number	Circulator Model Number	Isolation (dB)		Insertion Loss (dB)		VSWR		Power ² (Watts)		Operating Temperature Range ³ (°C)	Outline Number	Approx Weight Oz (gm)
			Typ	Min	Typ	Max	Typ	Max	Avg	Pk			
0.5–0.55	D3I 0555	D3C 0555	23	20	0.30	0.40	1.15	1.25	2	750	-20 to +65	7	4.8 (135)
0.525–0.60	D3I 0560	D3C 0560	23	20	0.30	0.40	1.15	1.25	2	750	-20 to +65	7	4.8 (135)
0.6–0.7	D3I 0670	D3C 0670	23	20	0.30	0.40	1.15	1.25	2	750	-20 to +65	7	4.5 (129)
0.7–0.8	D3I 0780	D3C 0780	23	20	0.30	0.40	1.15	1.25	2	750	-20 to +65	7	4.5 (129)
0.8–0.9	D3I 0890	D3C 0890	23	20	0.30	0.40	1.15	1.25	2	750	-20 to +65	8	2.8 (80)
0.95–1.225	D3I 9525	D3C 9525	22	20	0.35	0.40	1.18	1.25	2	500	-20 to +65	8	2.8 (80)
1.2–1.4	D3I 0112	D3C 0112	23	20	0.30	0.40	1.15	1.25	2	500	-20 to +65	8	2.7 (76)
1.4–1.6	D3I 0116	D3C 0116	23	20	0.30	0.40	1.15	1.25	2	500	-20 to +65	8	2.7 (76)
1.6–1.8	D3I 0118	D3C 0118	23	20	0.30	0.40	1.15	1.25	2	350	-20 to +65	3	2.0 (56)
1.7–2.0	D3I 0120	D3C 0120	23	20	0.30	0.40	1.15	1.25	2	350	-20 to +65	3	2.0 (56)
2.0–2.3	D3I 0223	D3C 0223	23	20	0.30	0.40	1.15	1.25	2	350	-20 to +65	3	2.0 (56)
3.7–4.2	D3I 3742	D3C 3742	26	23	0.15	0.25	1.10	1.15	2	20	-30 to +65	3	1.4 (39)
4.4–5.0	D3I 4450	D3C 4450	26	23	0.15	0.25	1.10	1.15	2	20	-30 to +65	3	1.4 (39)
5.4–5.9	D3I 5459	D3C 5459	26	23	0.15	0.20	1.10	1.15	2	20	-30 to +65	6	1.0 (29)
5.9–6.4	D3I 5964	D3C 5964	26	23	0.15	0.20	1.10	1.15	2	20	-30 to +65	6	1.0 (29)
7.5–10.0	D3I 7510	D3C 7510	23	20	0.30	0.50	1.15	1.25	2	50	-30 to +65	5	0.74 (21)
7.7–8.4	D3I 7784	D3C 7784	26	23	0.15	0.20	1.10	1.20	2	50	-30 to +65	5	0.74 (21)
8.5–9.6	D3I 8596	D3C 8596	26	23	0.15	0.20	1.10	1.20	2	50	-30 to +65	5	0.74 (21)
9.2–10.5	D3I 9211	D3C 9211	26	23	0.15	0.20	1.10	1.20	2	50	-30 to +65	5	0.74 (21)
10.7–11.7	D3I 1112	D3C 1112	26	23	0.15	0.20	1.10	1.20	2	50	-30 to +65	5	0.74 (21)
11.7–12.7	D3I 1213	D3C 1213	26	23	0.15	0.20	1.10	1.20	2	50	-30 to +65	5	0.74 (21)
14.0–15.0	D3I 1415	D3C 1415	26	23	0.20	0.30	1.15	1.20	2	50	-30 to +65	5	0.74 (21)
17.0–20.0	D3I 1720	D3C 1720	24	22	0.30	0.40	1.15	1.20	2	50	0 to +50	5	0.74 (21)
19.0–22.0	D3I 1922	D3C 1922	24	22	0.30	0.40	1.15	1.20	2	50	0 to +50	5	0.74 (21)
20.0–21.5	D3I 2021	D3C 2021	24	22	0.30	0.40	1.15	1.20	2	50	0 to +50	5	0.74 (21)
20.0–23.0	D3I 2023	D3C 2023	24	22	0.30	0.40	1.15	1.20	2	50	0 to +50	5	0.74 (21)

Outline Drawings

Numbers 1 – 11



Outline Number	Dimension – Inches (Centimeters)		Dimension – Inches (Centimeters)		Dimension – Inches (Centimeters)		Dimension – Inches (Centimeters)		Dimension – Inches (Centimeters)	
1	1.58 (4.01)	1.62 (4.11)	0.70 (1.78)	0.25 (0.36)	0.25 (0.63)	1.265 (3.213)	0.10 (0.25)	1.380 (3.505)	0.690 (1.750)	
2	1.25 (3.17)	1.25 (3.17)	0.70 (1.78)	0.25 (0.36)	0.25 (0.63)	0.900 (2.286)	0.10 (0.25)	1.050 (2.667)	0.525 (1.330)	
3	1.00 (2.54)	1.00 (2.54)	0.50 (1.27)	0.25 (0.63)	0.25 (0.63)	0.675 (1.715)	0.10 (0.25)	0.800 (2.032)	0.400 (1.020)	
4	0.86 (2.18)	0.98 (2.49)	0.50 (1.27)	0.25 (0.63)	0.25 (0.63)	0.625 (1.587)	0.10 (0.25)	0.660 (1.676)	0.330 (0.840)	
5	0.50 (1.27)	0.70 (1.78)	0.50 (1.27)	0.25 (0.63)	0.18 (0.46)	0.455 (1.156)	0.08 (0.20)	0.340 (0.864)	0.170 (0.430)	
6	0.62 (1.57)	0.78 (1.98)	0.50 (1.27)	0.25 (0.63)	0.25 (0.63)	0.425 (1.079)	0.10 (0.25)	0.420 (1.067)	0.210 (0.530)	
7	1.58 (4.01)	1.62 (4.11)	0.73 (1.90)	0.26 (0.66)	0.26 (0.66)	1.265 (3.213)	0.10 (0.25)	1.380 (3.505)	0.690 (1.750)	
8	1.25 (3.17)	1.25 (3.17)	0.73 (1.90)	0.26 (0.66)	0.26 (0.66)	0.900 (2.286)	0.10 (0.25)	1.050 (2.667)	0.525 (1.330)	

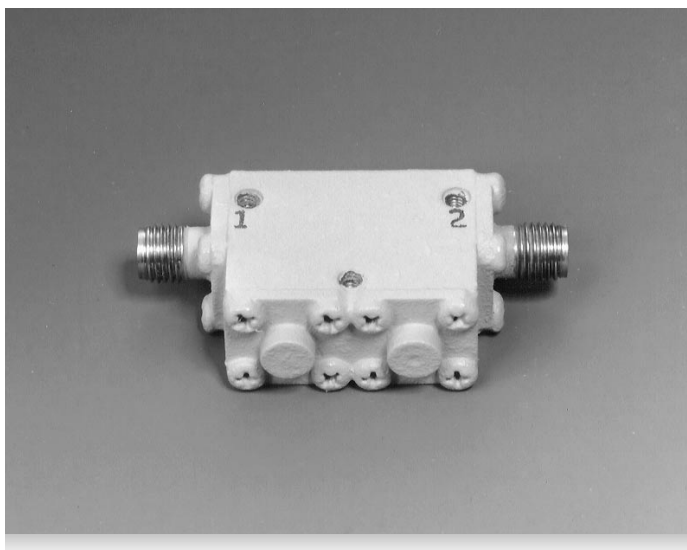
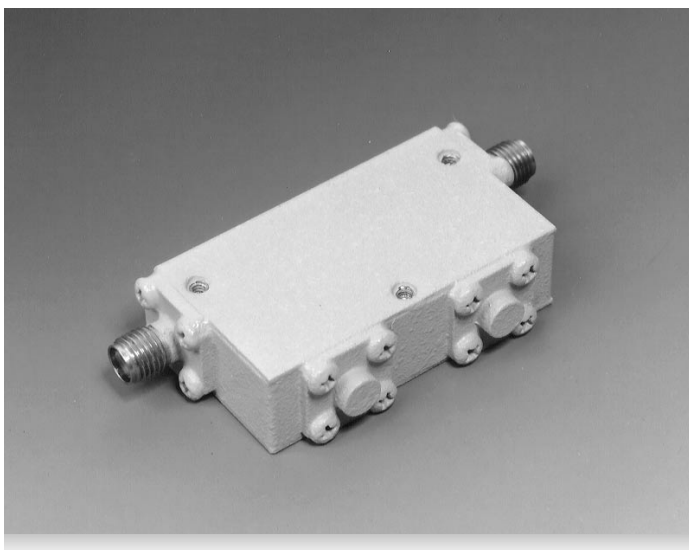


Dual Junction — Octave/Broadband Isolators and Circulators

Frequency ¹ Range (GHz)	Isolator Model Number	Circulator Model Number	Isolation Per Junction (dB)	Insertion Loss Per Junction (dB)		VSWR		Power ² (Watts)	Operating Temperature Range ³ (°C)	Outline Number	Approx Weight Oz (gm)
				Min	Max	Max	Avg Pk				
2.0–4.0	D4I 2040	D4C 2040	18		0.50	1.30	2 20	2 20	0 to +50	17	6.9 (195)
2.0–6.0	D4I 2060	D4C 2060	14		0.80	1.50	2 20	2 20	0 to +50	17	6.9 (195)
2.0–8.0	D4I 2080	D4C 2080	10		1.50	2.00	2 20	2 20	-10 to +65	17	6.9 (195)
2.6–5.2	D4I 2652	D4C 2652	18		0.50	1.30	2 20	2 20	0 to +50	17	6.9 (195)
3.0–6.0	D4I 3060	D4C 3060	19		0.40	1.30	2 20	2 20	0 to +50	18	4.0 (115)
3.5–7.0	D4I 3570	D4C 3570	17		0.50	1.35	2 20	2 20	0 to +50	14	2.3 (65)
3.7–8.3	D4I 3783	D4C 3783	17		0.60	1.35	2 20	2 20	0 to +50	14	2.3 (65)
4.0–8.0	D4I 4080	D4C 4080	20		0.40	1.25	2 20	2 20	-10 to +60	14	2.3 (65)
6.0–12.4	D4I 6012	D4C 6012	17		0.60	1.35	2 20	2 20	-10 to +60	15	1.9 (55)
7.0–11.0	D4I 7011	D4C 7011	20		0.40	1.25	2 200	2 200	-30 to +85	19	1.9 (55)
7.0–18.0	D4I 7018	D4C 7018	17		1.00	1.50	2 30	2 30	-10 to +85	16	1.6 (45)
8.0–12.4	D4I 8012	D4C 8012	20		0.40	1.25	2 200	2 200	-30 to +85	19	1.9 (55)
8.0–16.0	D4I 8016	D4C 8016	17		0.60	1.35	2 30	2 30	-20 to +65	16	1.6 (45)
8.0–18.0	D4I 8018	D4C 8018	16		0.80	1.45	2 30	2 30	-10 to +85	16	1.6 (45)
8.0–20.0	D4I 8020	D4C 8020	15		1.00	1.45	2 30	2 30	-20 to +65	16	1.6 (45)
10.0–20.0	D4I 1020	D4C 1020	16		0.70	1.40	2 30	2 30	-20 to +65	16	1.6 (45)
12.0–18.0	D4I 1218	D4C 1218	20		0.50	1.25	2 30	2 30	-20 to +65	16	1.6 (45)
18.0–26.5	D4I 1826	D4C 1826	18		0.80	1.40	2 30	2 30	-20 to +65	16	1.6 (45)
20.0–30.0	D4I 2030	D4C 2030	18		0.70	1.40	2 30	2 30	-20 to +65	16*	1.6 (45)
20.0–40.0	D4I 2004	D4C 2004	12		1.50	1.65	2 30	2 30	-20 to +65	16*	1.6 (45)
26.5–40.0	D4I 2640	D4C 2640	14		1.00	1.50	2 30	2 30	-20 to +65	16*	1.6 (45)

Notes:

- Other frequencies available on request.
- Consult factory for power handling capability of circulator.
- Storage temperature range is -55°C to +100°C. All units will operate -54°C to +85°C. Consult factory for specifications.
- Connector and termination locations are interchangeable.

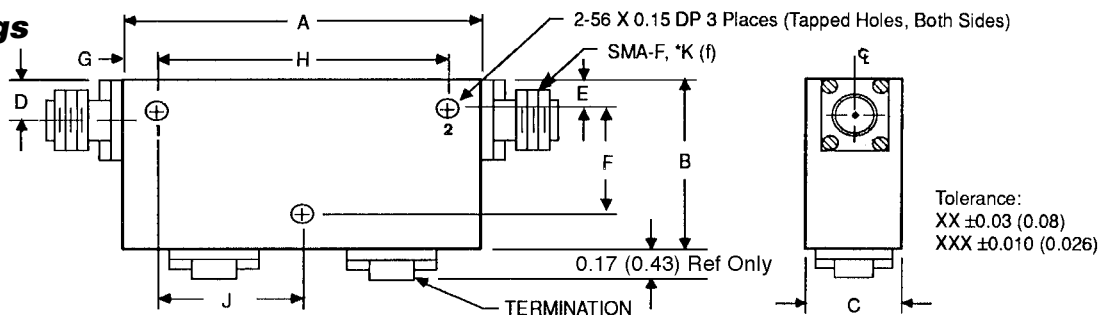


Dual Junction — High Performance/Narrowband Isolators and Circulators

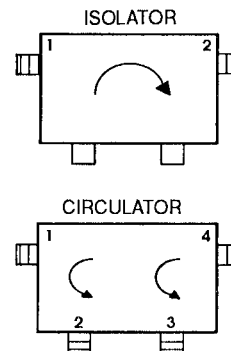
Frequency ¹ Range (GHz)	Isolator Model Number	Circulator Model Number	Isolation Per Junction (dB)	Insertion Loss Per Junction (dB)		VSWR	Power ² (Watts)		Operating Temperature Range ³ (°C)	Outline Number	Approx Weight Oz (gm)
				Min	Max		Avg	Pk			
0.5–0.55	D4I 0555	D4C 0555	20		0.40	1.25	2	750	-20 to +65	12	9.3 (265)
0.525–0.60	D4I 0560	D4C 0560	20		0.40	1.25	2	750	-20 to +65	12	9.3 (265)
0.6–0.7	D4I 0670	D4C 0670	20		0.40	1.25	2	750	-20 to +65	12	8.9 (253)
0.7–0.8	D4I 0780	D4C 0780	20		0.40	1.25	2	750	-20 to +65	12	8.9 (253)
0.8–0.9	D4I 0890	D4C 0890	20		0.40	1.25	2	750	-20 to +65	13	5.5 (155)
0.95–1.225	D4I 9525	D4C 9525	20		0.40	1.25	2	500	-20 to +65	13	5.5 (155)
1.2–1.4	D4I 0112	D4C 0112	20		0.40	1.25	2	500	-20 to +65	13	5.2 (147)
1.4–1.6	D4I 0116	D4C 0116	20		0.40	1.25	2	500	-20 to +65	13	5.2 (147)
1.6–1.8	D4I 0118	D4C 0118	20		0.40	1.25	2	350	-20 to +65	14	3.8 (107)
1.7–2.0	D4I 0120	D4C 0120	20		0.40	1.25	2	350	-20 to +65	14	3.8 (107)
2.0–2.3	D4I 0223	D4C 0223	20		0.40	1.25	2	350	-20 to +65	14	3.8 (107)
3.7–4.2	D4I 3742	D4C 3742	23		0.25	1.15	2	20	-30 to +65	14	2.5 (73)
4.4–5.0	D4I 4450	D4C 4450	23		0.25	1.15	2	20	-30 to +65	14	2.6 (73)
5.4–5.9	D4I 5459	D4C 5459	23		0.20	1.15	2	20	-30 to +65	15	1.9 (53)
5.9–6.4	D4I 5964	D4C 5964	23		0.20	1.15	2	20	-30 to +65	15	1.9 (53)
7.5–10.0	D4I 7510	D4C 7510	20		0.50	1.25	2	50	-30 to +65	16	1.30 (37)
7.7–8.4	D4I 7784	D4C 7784	23		0.20	1.20	2	50	-30 to +65	16	1.30 (37)
8.5–9.6	D4I 8596	D4C 8596	23		0.20	1.20	2	50	-30 to +65	16	1.30 (37)
9.2–10.5	D4I 9211	D4C 9211	23		0.20	1.20	2	50	-30 to +65	16	1.30 (37)
10.7–11.7	D4I 1112	D4C 1112	23		0.20	1.20	2	50	-30 to +65	16	1.30 (37)
11.7–12.7	D4I 1213	D4C 1213	23		0.20	1.20	2	50	-30 to +65	16	1.30 (37)
14.0–14.5	D4I 1415	D4C 1415	23		0.30	1.20	2	50	-30 to +65	16	1.30 (37)
17.0–20.0	D4I 1720	D4C 1720	22		0.40	1.20	2	50	0 to +50	16	1.30 (37)
19.0–22.0	D4I 1922	D4C 1922	22		0.40	1.20	2	50	0 to +50	16	1.30 (37)
20.0–21.5	D4I 2021	D4C 2021	22		0.40	1.20	2	50	0 to +50	16	1.30 (37)
20.0–23.0	D4I 2023	D4C 2023	22		0.40	1.20	2	50	0 to +50	16	1.30 (37)

Outline Drawings

Numbers 12 – 19



Outline Number	Dimension – Inches (Centimeters)							
	A	B	C	D	E	F	G	J
12	3.16 (8.03)	1.62 (4.11)	0.73 (1.90)	0.26 (0.66)	0.26 (0.66)	1.265 (3.213)	0.10 (0.25)	1.48 (3.76)
13	2.50 (6.35)	1.25 (3.17)	0.73 (1.90)	0.26 (0.66)	0.26 (0.66)	0.900 (2.286)	0.10 (0.25)	1.15 (2.92)
14	2.00 (5.08)	1.00 (2.54)	0.50 (1.27)	0.25 (0.63)	0.25 (0.63)	0.675 (1.715)	0.10 (0.25)	0.90 (2.29)
15	1.24 (3.15)	0.78 (1.98)	0.50 (1.27)	0.25 (0.63)	0.25 (0.63)	0.425 (1.079)	0.10 (0.25)	0.52 (1.32)
16	1.00 (2.54)	0.70 (1.78)	0.50 (1.27)	0.25 (0.63)	0.18 (0.46)	0.455 (1.156)	0.08 (0.20)	0.42 (1.07)
17	3.16 (8.03)	1.62 (4.11)	0.70 (1.78)	0.25 (0.63)	0.25 (0.63)	1.265 (3.213)	0.10 (0.25)	1.48 (3.76)
18	2.50 (6.35)	1.25 (3.17)	0.70 (1.72)	0.25 (0.63)	0.25 (0.63)	0.900 (2.286)	0.10 (0.25)	0.15 (2.92)
19	1.72 (4.37)	0.98 (2.49)	0.50 (1.27)	0.25 (0.63)	0.25 (0.63)	0.625 (1.587)	0.10 (0.25)	0.76 (1.93)

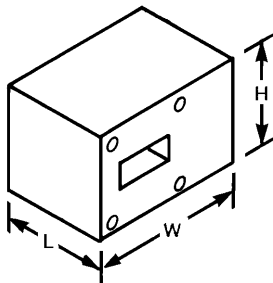


Waveguide Isolators and Circulators — Available in 10% Bandwidths

Frequency ¹ Range (GHz)	Isolator Model Number ³	Circulator Model Number ³	Isolation (dB)	Insertion Loss (dB)	VSWR	Operating Temperature Range ² (°C)	Approx Size (LxWxH)	Approx Weight Oz (gm)
Min	Max	Max						
12.4–18.0	DWFI 62 _ _ _	DWFC 62 _ _ _	20	0.30	1.20	-54 to +85	1.31 x 2.00 x 1.31	6.0 (118)
18.0–26.5	DWFI 42 _ _ _	DWFC 42 _ _ _	20	0.30	1.20	-54 to +65	0.87 x 1.30 x 0.87	4.0 (115)

Outline Drawings

All models feature threaded flange holes.

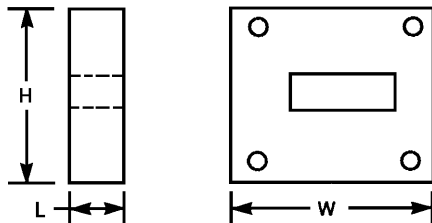


Waveguide Flange Isolators — Available in 200 MHz Bandwidths

Frequency ¹ Range (GHz)	Isolator Model Number ³	Isolation (dB)	Insertion Loss (dB)	VSWR	Operating Temperature Range ² (°C)	Mating Flange	Approx Size (LxWxH)	Approx Weight Oz (gm)
Min	Max	Max						
12.4–18.0	DFW 62 _ _ _	20	0.30	1.20	-54 to +85	UG-1665/U	0.50 x 1.31 x 1.31	6.0 (118)
18.0–26.5	DFW 42 _ _ _	20	0.30	1.20	-54 to +65	UG-597	0.50 x 0.88 x 0.88	4.0 (115)

Outline Drawings

Thru holes only available.



Notes:

- Other frequencies available on request.
- Storage temperature range is -55°C to +100°C. All units will operate -54°C to +85°C. Consult factory for specifications.
- Specify center frequency in GHz as last 3 digits of model number.

DITOM Microwave

Microwave Isolators and Circulators

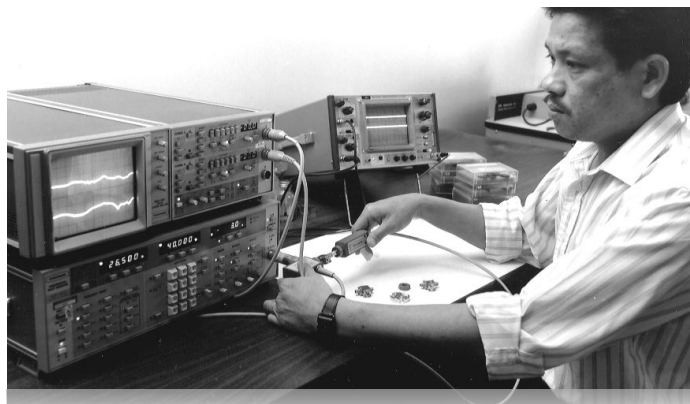
DITOM Microwave

has a unique capability to provide high quality microwave components for military, and commercial applications.

Founded in 1987 the company has extensive experience in designing and manufacturing isolators and circulators to satisfy specific system requirements for reliability, cost, and size.

While standard isolators and circulators are described in this catalog, special devices can be designed to meet your system requirements.

DITOM has established a reputation throughout the industry for on-time delivery and minimum return of parts — less than 1%.



Operating Frequency Ranges

A standard line of isolators and circulators is offered in selected frequency ranges from 0.50 to 40.0 GHz. Performance optimized components — Phase matching, temperature stabilization, extended bandwidth — are available on special orders.

Connectors

As a standard, all coaxial units are supplied with SMA-Female connectors. Other connector types and configurations can be supplied on special order.

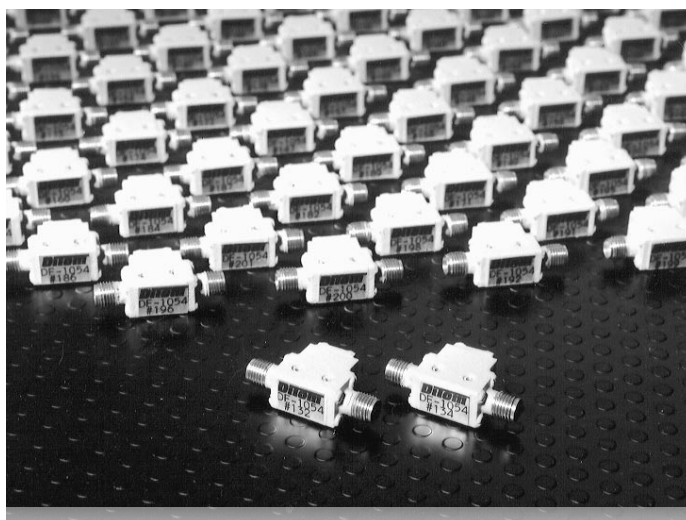


Finish

Standard units are supplied with nickel plate and chemical film per MIL-C-5541B Class 3. Vinyl/Epoxy gray painted units are available per customer requirements.

Test Data

A certificate of compliance is supplied with all units. Test data is available on special orders. DITOM's quality assurance standards meet Mil-I-45208A requirements.



Microstrip and Stripline Integration

DITOM isolators and circulators feature a removable connector option for integration into microwave subassemblies.

Ordering Information

DITOM isolators and circulators can be ordered directly from the factory, through local representatives or on-line at www.ditom.com. Many DITOM isolators and circulators are in stock and will ship in 24 hours ARO.

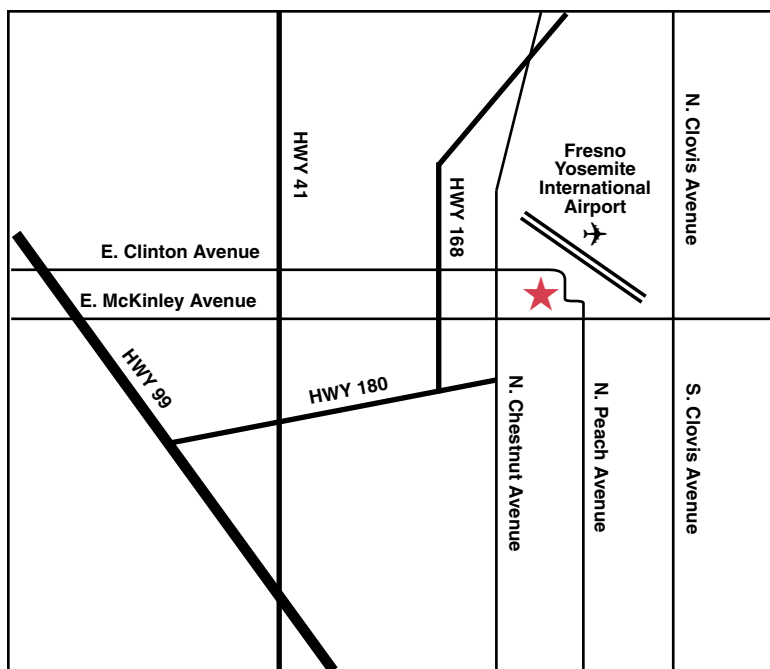
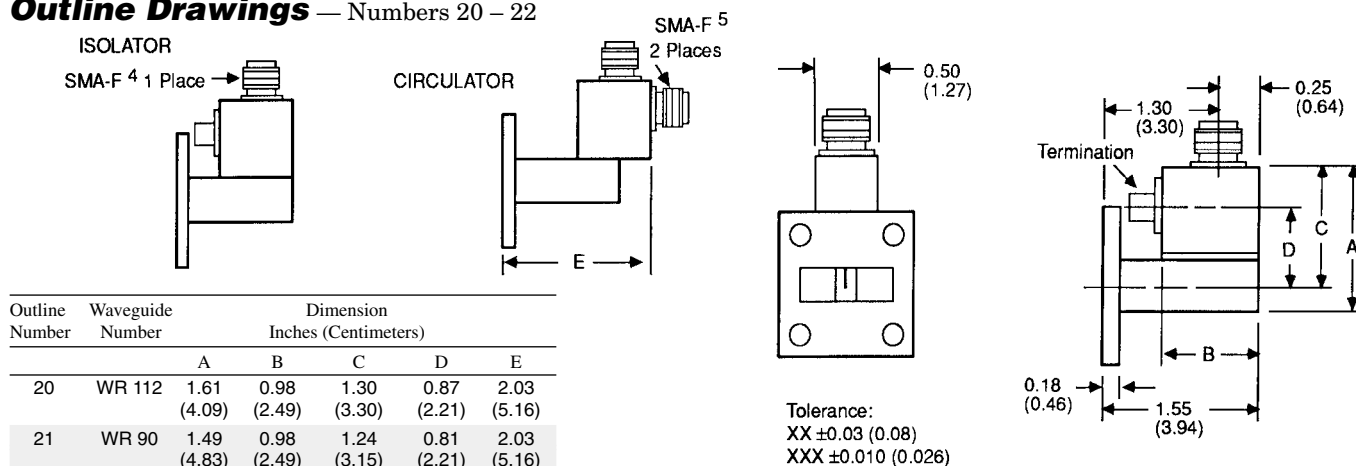
Co-Isoguide Isolators and Circulators

Frequency ¹ Range (GHz)	Isolator Model Number	Circulator Model Number	Isolation (dB)		Insertion Loss (dB)		VSWR		Power ² (Watts)		Operating Temperature Range ³ (°C)	Outline Number	Approx Weight Oz (gm)
			Typ	Min	Typ	Max	Typ	Max	Avg	Pk			
7.0–11.0	DWI 7011	DWC 7011	22	20	0.40	0.50	1.18	1.25	2	500	-30 to +85	20	4.0 (115)
8.0–12.4	DWI 8012	DWC 8012	22	20	0.40	0.50	1.18	1.25	2	500	-30 to +85	21	3.7 (105)
12.0–18.0	DWI 1218	DWC 1218	22	20	0.40	0.50	1.25	1.35	2	30	-20 to +65	22	3.2 (90)

Notes:

- Other frequencies available on request.
- Consult factory for power handling capability of circulator.
- Storage temperature range is -55°C to +100°C.
- Specify input when ordering (-1 =W/G input; -2 =Coax input) Isolator.
- Specify input/output locations when ordering Circulator.

Outline Drawings — Numbers 20 – 22



ORDER ON-LINE TODAY AT:
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