

FOR DEMANDING ENVIRONMENTAL CONDITIONS



**2 Week
Standard
Delivery**

Microwave dB has created the D SERIES line of amplifiers for the more demanding environmental conditions.

These units utilize metalized housings with seam sealing in order to provide the most robust amplifier product in our amplifier line. As with our commercial grade amplifiers, the D series amplifiers allow connectorized or drop in installation from the same amplifier, utilize internal voltage regulation, and provide superior value to our customers.

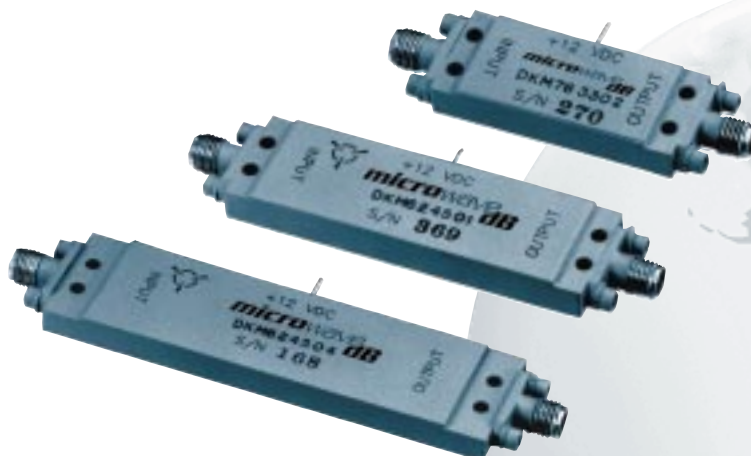
FEATURES:

- Extended operating range: -40°C to +75°C (electrical specifications given at +25°C)
- Extended storage temperature range: -55°C to + 85°C
- Connectorized or drop-in use: (unit tested in connectorized condition)
- Internal voltage regulation

APPLICATIONS:

- COTS (commercial off the shelf)
- Terrestrial point to point, and point to multi-point radios
- Telecommunications requiring extended temperature range
- Seam sealed metalized housing
- Optional mounting baseplate included
- Ruggedized MIC construction conforming to demanding quality standards

The D series amplifiers are available with the same electrical specifications as our C Series amplifiers (commercial applications) . Please consult the factory and the accompanying outline drawings for details (pages 33 to 35).



D SERIES AMPLIFIERS



TELECOMMUNICATIONS AMPLIFIERS

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Model No.	Freq. GHz Min.	Freq. GHz Max.	Gain dB Min.	Flatness \pm dB Max.	N.F. dB Max.	P1 dB dBm Min.	Return Loss In/Out dB Nom.*	VDC Volts Nom.	Current mA Nom.	Outline	Price 1-4	Price 5-9
DLM313501	1.2	1.4	27	0.3	2.0	+22	15	+12 to +15	160	9030136-3	\$651	\$586
DLM413501	1.2	1.6	27	0.5	2.0	+22	13	+12 to +15	160	9030136-3	\$651	\$586
DLM313502	1.4	1.7	27	0.4	2.0	+22	13	+12 to +15	160	9030136-3	\$651	\$586
DSM213501	2.2	2.4	25	0.4	2.0	+22	14	+12 to +15	160	9030136-3	\$651	\$586
DSM213502	2.3	2.5	25	0.4	2.0	+22	14	+12 to +15	160	9030136-3	\$651	\$586
DSM213401	2.8	2.9	24	0.3	2.0	+17	14	+12 to +15	170	9030136-3	\$813	\$732
DSM214401	2.8	2.9	34	0.4	2.0	+17	14	+12 to +15	240	9030135-5	\$943	\$849
DCM413401	3.4	4.2	24	0.3	2.0	+17	13	+12 to +15	170	9030135-3	\$813	\$732
DCM414401	3.4	4.2	34	0.4	2.0	+17	13	+12 to +15	240	9030135-5	\$943	\$849
DCM414501	3.4	4.2	33	0.4	2.0	+22	13	+12 to +15	350	9030135-5	\$709	\$638
DCM213301	5.9	6.4	23	0.2	2.0	+11	14	+12 to +15	110	9030135-3	\$593	\$534
DCM214301	5.9	6.4	32	0.3	2.0	+14	14	+12 to +15	180	9030135-5	\$693	\$624
DCM213302	7.2	7.8	24	0.2	1.6	+11	14	+12 to +15	130	9030135-3	\$593	\$534
DCM214302	7.2	7.8	32	0.3	1.8	+15	14	+12 to +15	200	9030135-5	\$693	\$624
DCM214401	7.2	7.8	40	0.4	1.8	+18	14	+12 to +15	290	9030135-5	\$793	\$714
DCM214501	7.2	7.8	39	0.4	1.8	+22	14	+12 to +15	370	9030135-5	\$909	\$818
DXM213301	7.9	8.4	24	0.2	1.8	+11	14	+12 to +15	130	9030135-3	\$593	\$534
DXM214301	7.9	8.4	32	0.3	1.9	+15	14	+12 to +15	200	9030135-5	\$693	\$624
DXM214401	7.9	8.4	40	0.4	1.9	+18	14	+12 to +15	290	9030135-5	\$793	\$714
DXM214501	7.9	8.4	39	0.4	1.9	+22	14	+12 to +15	370	9030135-5	\$909	\$818
DXM313301	9	10	24	0.3	2.0	+11	14	+12 to +15	130	9030135-3	\$593	\$534
DXM314301	9	10	32	0.5	2.0	+15	14	+12 to +15	200	9030135-5	\$693	\$624
DXM314302	9	10	40	0.7	2.0	+15	14	+12 to +15	290	9030135-5	\$797	\$717
DXM314502	9	10	39	0.7	2.0	+22	14	+12 to +15	370	9030135-5	\$909	\$818
DXM213302	10.7	11.7	24	0.3	2.1	+13	14	+12 to +15	130	9030135-3	\$593	\$534
DXM214302	10.7	11.7	32	0.6	2.1	+15	14	+12 to +15	200	9030135-5	\$693	\$624
DXM214402	10.7	11.7	39	0.9	2.1	+18	14	+12 to +15	290	9030135-5	\$802	\$722
DKM212301	16	17	19	0.3	2.4	+13	13	+12 to +15	130	9030313-3	\$593	\$534
DKM213301	16	17	25	0.3	2.4	+15	13	+12 to +15	200	9030313-5	\$712	\$641
DKM214401	16	17	31	0.3	2.4	+18	13	+12 to +15	290	9030313-5	\$850	\$765
DKM123301	20.2	21.2	24	0.65	3.1	+10	12	+12 to +15	155	9030313-3	\$1002	\$902
DKM124301	20.2	21.2	31	0.75	3.1	+10	12	+12 to +15	200	9030313-5	\$1166	\$1049
DKM123401	20.2	21.2	21	0.65	3.2	+17	12	+12 to +15	225	9030313-3	\$988	\$889
DKM124401	20.2	21.2	28	0.75	3.1	+17	12	+12 to +15	265	9030313-5	\$1151	\$1036
DKM123302	21.5	22.5	23	0.65	3.1	+10	12	+12 to +15	155	9030313-3	\$1002	\$902
DKM124302	21.5	22.5	30	0.75	3.1	+10	12	+12 to +15	200	9030313-5	\$1166	\$1049
DKM123402	21.5	22.5	21	0.65	3.2	+17	12	+12 to +15	225	9030313-3	\$988	\$889
DKM124402	21.5	22.5	28	0.75	3.1	+17	12	+12 to +15	265	9030313-5	\$1151	\$1036
DLM632401	0.5	2	16	0.8	2.9	+14	12	+12 to +15	140	9030135-2	\$633	\$570
DLM633401	0.5	2	24	1.1	3.0	+16	12	+12 to +15	205	9030135-3	\$738	\$664
DLM634401	0.5	2	32	1.4	3.7	+16	12	+12 to +15	270	9030135-5	\$869	\$782

*Worst case is 9.6 dB

BROAD BAND

TELECOMMUNICATIONS AMPLIFIERS



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Model No.	Freq. GHz	Freq. GHz	Gain dB	Flatness \pm dB	N.F. dB	P1 dB dBm	Return Loss In/Out dB	VDC Volts	Current mA	Outline	Price 1-4	Price 5-9
	Min.	Max.	Min.	Max.	Max.	Min.	Nom.*	Nom.	Nom.			
DCM613301	2	6	26	1	2.5	+10	13	+12 to +15	140	9030135-3	\$667	\$600
DCM614301	2	6	39	1.5	2.5	+10	12	+12 to +15	205	9030135-5	\$773	\$696
DCM613401	2	6	24	1.3	2.5	+17	12	+12 to +15	170	9030135-3	\$760	\$684
DCM614401	2	6	34	1.6	2.5	+17	12	+12 to +15	250	9030135-5	\$866	\$779
DCM615401	2	6	44	1.9	2.5	+17	12	+12 to +15	320	9030135-5	\$964	\$868
DCM614501	2	6	33	1.6	2.5	+22	12	+12 to +15	350	9030135-5	\$876	\$788
DCM633301	2	8	18	1.1	3.8	+15	13	+12 to +15	210	9030135-3	\$811	\$730
DCM634301	2	8	28	1.3	3.8	+15	13	+12 to +15	310	9030135-5	\$990	\$891
DCM634302	2	8	36	1.7	3.8	+15	12	+12 to +15	410	9030135-5	\$1161	\$1045
DCM633401	2	8	18	1.1	3.8	+18	12	+12 to +15	250	9030135-3	\$892	\$803
DCM634401	2	8	28	1.3	3.8	+18	12	+12 to +15	360	9030135-5	\$1089	\$980
DCM634402	2	8	36	1.7	3.8	+18	12	+12 to +15	460	9030135-5	\$1278	\$1150
DXM522401	6	12	19	1	2.6	+17	13	+12 to +15	190	9030135-3	\$663	\$597
DXM523401	6	12	26	1.4	2.6	+17	13	+12 to +15	250	9030135-5	\$770	\$693
DXM524401	6	12	34	1.9	2.6	+17	13	+12 to +15	310	9030135-5	\$862	\$776
DXM523501	6	12	25	1.4	3.5	+22	13	+12 to +15	385	9030135-5	\$837	\$753
DXM524501	6	12	33	1.9	2.6	+22	13	+12 to +15	420	9030135-5	\$942	\$848
DKM612301	6	18	18	1.1	3.3	+14	12	+12 to +15	140	9030313-3	\$692	\$623
DKM613301	6	18	27	1.6	3.3	+14	12	+12 to +15	205	9030313-5	\$808	\$727
DKM614301	6	18	36	2.1	3.3	+14	12	+12 to +15	270	9030313-5	\$916	\$824
DKM623403	6	18	21	1.7	3.5	+18	12	+12 to +15	265	9030313-5	\$779	\$701
DKM623401	6	18	27	2.1	3.3	+18	12	+12 to +15	280	9030313-5	\$859	\$773
DKM624401	6	18	32	2.4	3.3	+18	12	+12 to +15	350	9030313-5	\$960	\$864
DKM624403	6	18	38	2.6	3.3	+18	12	+12 to +15	395	9030313-7	\$994	\$895
DKM624501	6	18	25	2.5	3.5	+25	12	+12 to +15	430	9030313-7	\$1146	\$1031
DKM623502	6	18	25	2.75	3.3	+27	12	+12 to +15	660	9030313-7	\$1146	\$1031
DKM624502	6	18	34	3	3.3	+27	12	+12 to +15	720	9030313-7	\$1216	\$1094
DKM612302	8	18	18	1.1	3.3	+14	13	+12 to +15	140	9030313-3	\$692	\$623
DKM613302	8	18	27	1.4	3.3	+14	13	+12 to +15	205	9030313-5	\$808	\$727
DKM614302	8	18	36	1.9	3.3	+14	13	+12 to +15	270	9030313-5	\$916	\$824
DKM622401	8	18	21	1.5	3.5	+18	13	+12 to +15	265	9030313-5	\$779	\$701
DKM623402	8	18	27	1.9	3.3	+18	13	+12 to +15	280	9030313-5	\$859	\$773
DKM624402	8	18	32	2.2	3.3	+18	13	+12 to +15	350	9030313-5	\$960	\$864
DKM624404	8	18	38	2.4	3.3	+18	13	+12 to +15	395	9030313-7	\$994	\$895
DKM624503	8	18	25	2.5	3.5	+25	13	+12 to +15	430	9030313-7	\$1146	\$1031
DKM623504	8	18	25	2.75	3.3	+27	13	+12 to +15	660	9030313-7	\$1146	\$1031
DKM624504	8	18	34	3	3.3	+27	13	+12 to +15	720	9030313-7	\$1216	\$1094
DKM512301	12	18	18	1	3.3	+14	13	+12 to +15	140	9030313-3	\$692	\$623
DKM513301	12	18	27	1.3	3.3	+14	13	+12 to +15	205	9030313-5	\$808	\$727
DKM514301	12	18	36	1.8	3.3	+14	13	+12 to +15	270	9030313-5	\$916	\$824
DKM522401	12	18	21	1.4	3.5	+18	13	+12 to +15	265	9030313-5	\$779	\$701
DKM523401	12	18	27	1.7	3.3	+18	13	+12 to +15	280	9030313-5	\$859	\$773
DKM524401	12	18	32	2	3.3	+18	13	+12 to +15	350	9030313-5	\$960	\$864
DKM524402	12	18	38	2.3	3.3	+18	13	+12 to +15	395	9030313-7	\$994	\$895
DKM524501	12	18	25	2.5	3.5	+25	13	+12 to +15	430	9030313-7	\$1146	\$1031
DKM523502	12	18	25	2.75	3.5	+27	13	+12 to +15	660	9030313-7	\$1146	\$1031
DKM524502	12	18	34	3	3.3	+27	13	+12 to +15	720	9030313-7	\$1216	\$1094

*Worst case is 9.6 dB



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Model No.	Freq. GHz Min.	Freq. GHz Max.	Gain dB Min.	Flatness \pm dB Max.	N.F. dB Max.	P1 dBm Min.	Return Loss In/Out dB Nom.*	VDC Volts Nom.	Current mA Nom.	Outline	Price 1-4	Price 5-9
DKM722301	2	18	15	1.1	3.2	+10	11	+12 to +15	110	9030313-3	\$993	\$894
DKM723301	2	18	25	2	3.8	+10	11	+12 to +15	180	9030313-3	\$1184	\$1066
DKM724301	2	18	33	2.5	3.8	+10	11	+12 to +15	250	9030313-5	\$1368	\$1231
DKM725301	2	18	41	3	3.8	+10	11	+12 to +15	315	9030313-5	\$1476	\$1328
DKM731301	2	18	8	0.7	4.5	+10	11	+12 to +15	85	9030313-2	\$854	\$769
DKM742301	2	18	16	1.1	4.5	+10	11	+12 to +15	110	9030313-3	\$901	\$811
DKM743301	2	18	25	1.5	4.5	+10	11	+12 to +15	180	9030313-3	\$993	\$894
DKM743302	2	18	33	1.75	4.5	+10	11	+12 to +15	250	9030313-5	\$1168	\$1051
DKM744301	2	18	41	2	4.5	+10	11	+12 to +15	315	9030313-5	\$1342	\$1208
DKM732301	2	18	13	1.5	4.5	+15	11	+12 to +15	150	9030313-3	\$854	\$769
DKM733301	2	18	21	2	4.5	+15	11	+12 to +15	200	9030313-3	\$946	\$851
DKM733302	2	18	30	2.5	4.5	+15	11	+12 to +15	280	9030313-5	\$1053	\$948
DKM734301	2	18	38	3	4.5	+15	11	+12 to +15	350	9030313-5	\$1194	\$1075
DKM742302	2	18	13	1.3	5.5	+15	11	+12 to +15	180	9030313-3	\$901	\$811
DKM743303	2	18	21	1.5	5.0	+15	11	+12 to +15	200	9030313-3	\$901	\$811
DKM743304	2	18	30	2	5.0	+15	11	+12 to +15	270	9030313-5	\$1048	\$943
DKM744302	2	18	38	2.5	5.0	+15	11	+12 to +15	350	9030313-5	\$1194	\$1075
DKM742401	2	18	18	1.5	5.7	+15	11	+12 to +15	270	9030313-3	\$901	\$811
DKM743401	2	18	27	1.75	5.2	+15	11	+12 to +15	340	9030313-3	\$1048	\$943
DKM744401	2	18	35	2	5.2	+15	11	+12 to +15	410	9030313-5	\$1194	\$1075
DKM745401	2	18	43	2.5	5.2	+15	11	+12 to +15	510	9030313-7	\$1311	\$1180
DKM762406	2	18	10	1.5	7.0	+17	11	+12 to +15	180	9030313-3	\$872	\$785
DKM762402	2	18	14	2	7.0	+17	11	+12 to +15	250	9030313-3	\$1071	\$964
DKM743403	2	18	23	2.5	5.0	+17	11	+12 to +15	300	9030313-5	\$1254	\$1129
DKM734401	2	18	31	3	5.0	+17	11	+12 to +15	370	9030313-5	\$1438	\$1294
DKM762403	2	18	10	1.5	7.5	+17	11	+12 to +15	180	9030313-3	\$832	\$749
DKM762404	2	18	14	1.75	7.5	+17	11	+12 to +15	250	9030313-3	\$958	\$862
DKM753401	2	18	23	2	5.5	+17	11	+12 to +15	300	9030313-5	\$1141	\$1027
DKM744402	2	18	31	2.5	5.0	+17	11	+12 to +15	360	9030313-5	\$1324	\$1192
DKM731302	0.5	18	8	0.7	4.1	+10	11	+12 to +15	85	9030313-2	\$821	\$740
DKM732302	0.5	18	16	1.5	4.1	+10	11	+12 to +15	120	9030313-3	\$1003	\$904
DKM733303	0.5	18	25	2	4.1	+10	11	+12 to +15	180	9030313-3	\$1194	\$1076
DKM724302	0.5	18	33	2.5	4.1	+10	11	+12 to +15	250	9030313-5	\$1378	\$1241
DKM741301	0.5	18	8	0.7	4.8	+10	11	+12 to +15	85	9030313-2	\$781	\$704
DKM762301	0.5	18	16	1.1	4.8	+10	11	+12 to +15	120	9030313-3	\$820	\$739
DKM763301	0.5	18	25	1.5	4.8	+10	11	+12 to +15	180	9030313-3	\$1003	\$904
DKM763302	0.5	18	33	1.75	4.8	+10	11	+12 to +15	250	9030313-5	\$1178	\$1061
DKM732303	0.5	18	13	1.5	5.0	+15	11	+12 to +15	120	9030313-3	\$841	\$758
DKM733304	0.5	18	21	2	5.0	+15	11	+12 to +15	200	9030313-3	\$956	\$861
DKM733305	0.5	18	30	2.5	5.0	+15	11	+12 to +15	270	9030313-5	\$1087	\$979
DKM734302	0.5	18	38	3	5.0	+15	11	+12 to +15	350	9030313-5	\$1209	\$1089
DKM752301	0.5	18	13	1.3	6.0	+15	11	+12 to +15	168	9030313-3	\$781	\$704
DKM743305	0.5	18	21	1.5	5.5	+15	11	+12 to +15	200	9030313-3	\$933	\$841
DKM743306	0.5	18	30	2	5.5	+15	11	+12 to +15	270	9030313-5	\$1087	\$979

*Worst case is 9.6 dB

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DKM744303	0.5	18	38	2.5	5.5	+15	11	+12 to +15	350	90303135	\$1209	\$1089
DKM762405	0.5	18	10	1.5	7.5	+17	11	+12 to +15	180	9030313-3	\$882	\$795
DKM752401	0.5	18	14	2	7.5	+17	11	+12 to +15	250	9030313-3	\$1073	\$967
DKM753402	0.5	18	23	2.5	5.5	+17	11	+12 to +15	300	9030313-5	\$1257	\$1132
DKM744404	0.5	18	31	3	5.5	+17	11	+12 to +15	360	9030313-5	\$1440	\$1297
DKM772401	0.5	18	10	1.5	8.0	+17	11	+12 to +15	180	9030313-3	\$781	\$704
DKM772402	0.5	18	14	1.75	8.0	+17	11	+12 to +15	250	9030313-3	\$960	\$865
DKM743403	0.5	18	23	2	6.0	+17	11	+12 to +15	310	9030313-5	\$1143	\$1030
DKM744403	0.5	18	31	2.5	5.5	+17	11	+12 to +15	370	9030313-5	\$1327	\$1195

*Worst case is 9.6 dB

■ See full page **AMPLIFIER OUTLINE DRAWINGS**
for C Series & D Series Amplifiers on pages 31 thru 35