

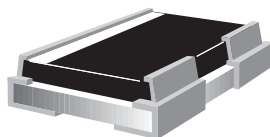
AV-0805

Thin Film Surface Mount Temperature Variable Chip Attenuator

The **ims** AV-0805 thin film surface mount temperature variable chip attenuator is ideal for applications requiring precise attenuation with integrated temperature compensation in a small form factor. This attenuator is designed in the PI configuration. Thin film technology insures a low noise, precise attenuator at a very affordable price. Nine different temperature characteristics are available. The wraparound terminals include a nickel barrier layer which affords excellent leach resistance and mechanical integrity. This chip attenuator has the following features:

- Precision thin film attenuator element
- 99.5% Al₂O₃ substrate material
- Nickel barrier layer for excellent solder leach resistance
- Ultra low noise attenuator element
- Characterized to 3GHz
- 1.3:1 Nominal VSWR
- Nine different temperature characteristics
- Stable characteristics over temperature and time
- Polyimide passivation of attenuator element

Terminals



**Full wraparound terminals with
RoHS compliant 100% matte tin finish**

Attenuation Ranges

The **ims** AV-0805 is available in values from 1dB to 10dB in 1dB increments. Attenuation values 1dB - 3dB are available in 9 different temperature characteristics: N1 to N9. Attenuation values 4dB - 10dB are available in 8 different temperature characteristics: N1 to N8. See temperature curves on subsequent pages.

Features

Thin Film Technology

9 Different Temperature Characteristics‡

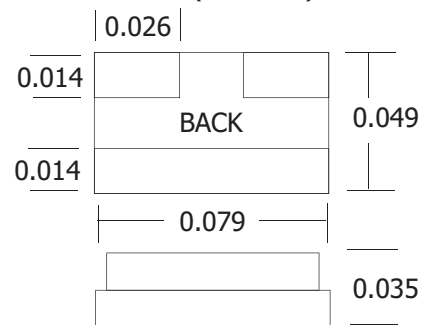
Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR

Characteristics

Standard Impedance:	50Ω
VSWR:	1.3:1 Nominal†
Power Rating (at 70°C free air):	63mW
Operating Temperature:	-40°C to +100°C
Frequency Range:	DC to 3GHz
Attenuation:	1dB to 10dB
Temperature Characteristics:	N1 to N9‡
Attenuation Tolerance:	± 0.5dB at 25°C
RCWV:	2.24V

Dimensions* (in inches)



* Dimensional Tolerance: ±0.008" with exception of 0.026" dimension which has a tolerance of ±0.014"

Ordering Information

AV-0805-C - 03DB N1

0805 Size Temperature Variable Attenuator	50Ω Impedance	dB Value (1dB to 10dB)	Temperature Characteristic (N1 to N9)‡
---	---------------	------------------------	--

‡ N9 only for 1dB - 3dB only

† VSWR may exceed 1.3:1 depending on temperature change

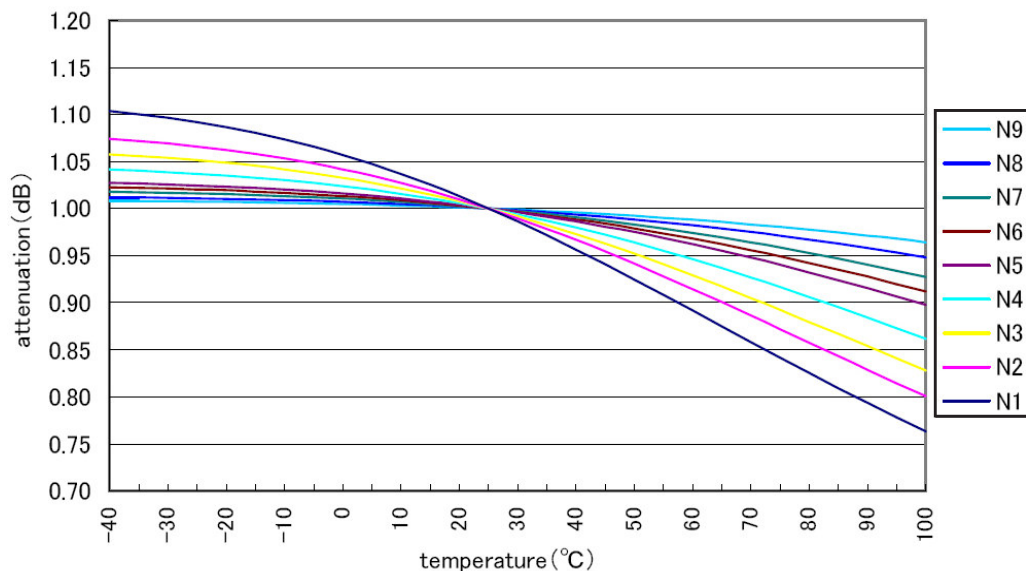
impossible made simple

ims International Manufacturing Services, Inc.

Tel (401) 683-9700
Fax (401) 683-5571
e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

AV-0805-C-01DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	1.10	1.07	1.06	1.04	1.03	1.02	1.02	1.01	1.01
-35°C	1.10	1.07	1.06	1.04	1.03	1.02	1.02	1.01	1.01
-30°C	1.10	1.07	1.06	1.04	1.03	1.02	1.02	1.01	1.01
-25°C	1.09	1.07	1.05	1.04	1.02	1.02	1.02	1.01	1.01
-20°C	1.09	1.06	1.05	1.03	1.02	1.02	1.02	1.01	1.01
-15°C	1.08	1.06	1.05	1.03	1.02	1.02	1.01	1.01	1.01
-10°C	1.07	1.05	1.04	1.03	1.02	1.02	1.01	1.01	1.01
-5°C	1.07	1.05	1.04	1.03	1.02	1.02	1.01	1.01	1.01
0°C	1.06	1.04	1.03	1.02	1.02	1.01	1.01	1.01	1.00
5°C	1.05	1.03	1.03	1.02	1.01	1.01	1.01	1.01	1.00
10°C	1.04	1.03	1.02	1.02	1.01	1.01	1.01	1.00	1.00
15°C	1.03	1.02	1.01	1.01	1.01	1.01	1.00	1.00	1.00
20°C	1.01	1.01	1.01	1.01	1.00	1.00	1.00	1.00	1.00
25°C	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
30°C	0.99	0.99	0.99	0.99	1.00	1.00	1.00	1.00	1.00
35°C	0.97	0.98	0.98	0.99	0.99	0.99	0.99	1.00	1.00
40°C	0.96	0.97	0.97	0.98	0.99	0.99	0.99	0.99	1.00
45°C	0.94	0.95	0.96	0.97	0.98	0.98	0.99	0.99	0.99
50°C	0.92	0.94	0.95	0.96	0.97	0.98	0.98	0.99	0.99
55°C	0.91	0.93	0.94	0.96	0.97	0.97	0.98	0.99	0.99
60°C	0.89	0.91	0.93	0.95	0.96	0.97	0.97	0.98	0.98
65°C	0.87	0.90	0.92	0.94	0.96	0.96	0.97	0.98	0.99
70°C	0.86	0.89	0.90	0.93	0.95	0.96	0.96	0.97	0.98
75°C	0.84	0.87	0.89	0.92	0.94	0.95	0.96	0.97	0.98
80°C	0.83	0.86	0.88	0.91	0.93	0.94	0.95	0.97	0.98
85°C	0.81	0.84	0.87	0.90	0.92	0.94	0.95	0.96	0.97
90°C	0.79	0.83	0.85	0.88	0.92	0.93	0.94	0.96	0.97
95°C	0.78	0.81	0.84	0.87	0.91	0.92	0.93	0.95	0.97
100°C	0.76	0.80	0.83	0.86	0.90	0.91	0.93	0.95	0.96



AV-0805

Features

Thin Film Technology

9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR

ims International Manufacturing Services, Inc.

Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

impossible made simple

AV-0805

AV-0805-C-02DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	2.50	2.34	2.26	2.18	2.11	2.09	2.07	2.05	2.03
-35°C	2.48	2.33	2.25	2.17	2.11	2.09	2.07	2.05	2.03
-30°C	2.46	2.31	2.24	2.17	2.11	2.09	2.07	2.05	2.03
-25°C	2.43	2.30	2.23	2.16	2.10	2.08	2.07	2.04	2.03
-20°C	2.40	2.28	2.21	2.15	2.10	2.08	2.06	2.04	2.03
-15°C	2.37	2.26	2.20	2.14	2.09	2.07	2.06	2.04	2.03
-10°C	2.33	2.23	2.18	2.13	2.08	2.07	2.05	2.04	2.02
-5°C	2.30	2.21	2.16	2.11	2.07	2.06	2.05	2.03	2.02
0°C	2.25	2.18	2.14	2.10	2.07	2.05	2.04	2.03	2.02
5°C	2.21	2.15	2.12	2.08	2.05	2.05	2.04	2.02	2.02
10°C	2.16	2.11	2.09	2.06	2.04	2.04	2.03	2.02	2.01
15°C	2.11	2.08	2.06	2.04	2.03	2.02	2.02	2.01	2.01
20°C	2.05	2.04	2.03	2.02	2.02	2.01	2.01	2.01	2.00
25°C	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
30°C	1.95	1.96	1.97	1.98	1.98	1.99	1.99	1.99	1.99
35°C	1.89	1.92	1.93	1.95	1.96	1.97	1.98	1.98	1.99
40°C	1.84	1.87	1.90	1.92	1.95	1.95	1.96	1.97	1.98
45°C	1.78	1.83	1.86	1.89	1.92	1.94	1.95	1.96	1.98
50°C	1.73	1.79	1.82	1.86	1.90	1.92	1.93	1.95	1.97
55°C	1.68	1.74	1.78	1.83	1.88	1.90	1.92	1.94	1.96
60°C	1.63	1.70	1.75	1.80	1.86	1.88	1.90	1.93	1.95
65°C	1.58	1.66	1.71	1.77	1.83	1.86	1.88	1.92	1.94
70°C	1.54	1.62	1.67	1.74	1.81	1.83	1.86	1.90	1.93
75°C	1.50	1.58	1.63	1.71	1.78	1.81	1.84	1.89	1.92
80°C	1.46	1.54	1.60	1.67	1.76	1.79	1.82	1.87	1.91
85°C	1.42	1.50	1.56	1.64	1.73	1.76	1.80	1.86	1.90
90°C	1.38	1.46	1.53	1.61	1.70	1.74	1.78	1.84	1.89
95°C	1.35	1.43	1.49	1.58	1.67	1.72	1.76	1.83	1.88
100°C	1.32	1.40	1.46	1.55	1.65	1.69	1.74	1.81	1.86

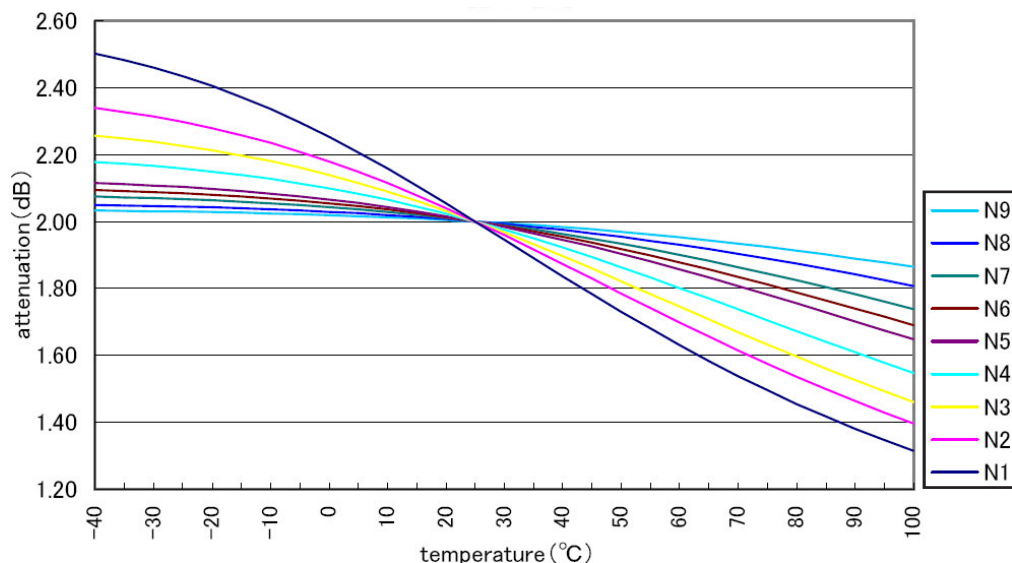
Features

Thin Film Technology

9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR

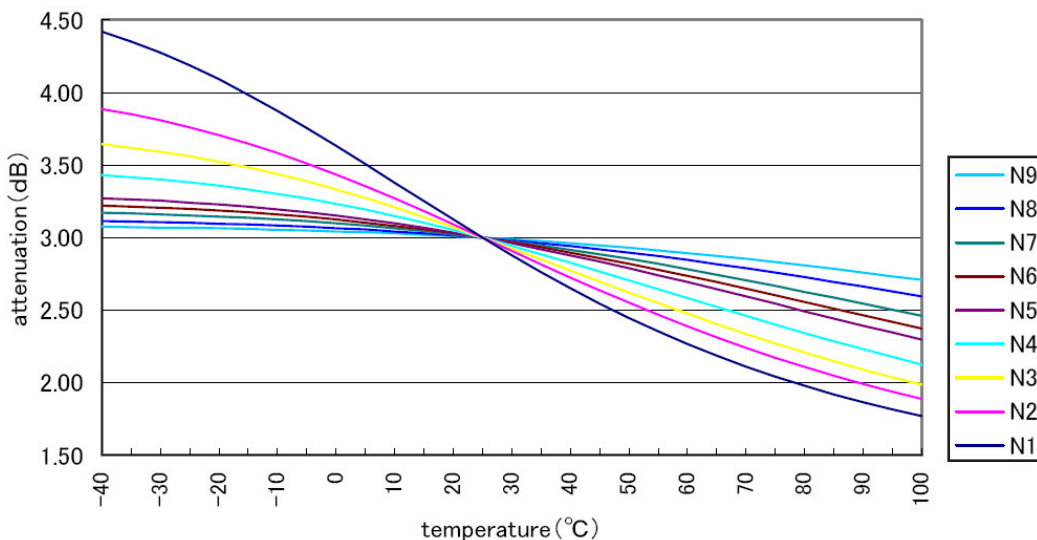


Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

impossible made simple

AV-0805-C-03DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	4.42	3.88	3.64	3.43	3.27	3.22	3.17	3.11	3.07
-35°C	4.35	3.85	3.62	3.42	3.26	3.21	3.17	3.11	3.07
-30°C	4.27	3.81	3.59	3.40	3.25	3.21	3.16	3.11	3.07
-25°C	4.19	3.76	3.56	3.38	3.24	3.20	3.15	3.10	3.07
-20°C	4.09	3.71	3.52	3.36	3.23	3.19	3.15	3.10	3.06
-15°C	3.99	3.65	3.48	3.33	3.21	3.17	3.14	3.09	3.06
-10°C	3.87	3.58	3.44	3.30	3.19	3.16	3.13	3.08	3.05
-5°C	3/76	3.51	3.39	3.27	3.17	3.14	3.11	3.08	3.05
0°C	3.63	3.44	3.33	3.23	3.15	3.12	3.10	3.07	3.04
5°C	3.51	3.35	3.27	3.19	3.13	3.10	3.08	3.06	3.04
10°C	3.38	3.27	3.21	3.15	3.10	3.08	3.06	3.04	3.03
15°C	3.25	3.18	3.14	3.10	3.07	3.06	3.05	3.03	3.02
20°C	3.12	3.09	3.07	3.05	3.04	3.03	3.02	3.02	3.01
25°C	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
30°C	2.88	2.91	2.93	2.94	2.96	2.97	2.97	2.98	2.99
35°C	2.76	2.82	2.85	2.89	2.92	2.93	2.95	2.96	2.98
40°C	2.65	2.73	2.77	2.83	2.88	2.90	2.92	2.94	2.96
45°C	2.55	2.64	2.70	2.77	2.84	2.86	2.89	2.92	2.95
50°C	2.45	2.55	2.62	2.71	2.79	2.82	2.85	2.90	2.93
55°C	2.35	2.47	2.55	2.64	2.74	2.78	2.82	2.87	2.91
60°C	2.27	2.39	2.48	2.58	2.69	2.74	2.78	2.85	2.89
65°C	2.19	2.31	2.41	2.52	2.64	2.69	2.75	2.82	2.87
70°C	2.11	2.24	2.34	2.46	2.59	2.65	2.71	2.79	2.85
75°C	2.04	2.17	2.27	2.40	2.54	2.60	2.67	2.76	2.83
80°C	1.98	2.11	2.21	2.34	2.49	2.56	2.63	2.73	2.81
85°C	1.92	2.05	2.15	2.29	2.44	2.51	2.59	2.70	2.79
90°C	1.87	1.99	2.09	2.23	2.39	2.47	2.55	2.66	2.76
95°C	1.82	1.94	2.04	2.18	2.35	2.42	2.50	2.63	2.73
100°C	1.77	1.89	1.99	2.13	2.30	2.37	2.46	2.60	2.71



AV-0805

Features

Thin Film Technology

9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR

ims International Manufacturing Services, Inc.

Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

impossible made simple

AV-0805

AV-0805-C-04DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	7.48	5.88	5.30	4.84	4.51	4.41	4.32	4.21	N/A
-35°C	7.25	5.79	5.25	4.81	4.50	4.40	4.31	4.20	N/A
-30°C	6.99	5/69	5.18	4.77	4.48	4.38	4.30	4.20	N/A
-25°C	6.72	5.58	5.11	4.73	4.45	4.37	4.28	4.19	N/A
-20°C	6.44	5.45	5.03	4.68	4.43	4.35	4.27	4.18	N/A
-15°C	6.15	5.31	4.95	4.63	4.40	4.32	4.25	4.17	N/A
-10°C	5.86	5.16	4.85	4.57	4.36	4.29	4.23	4.15	N/A
-5°C	5.56	5.01	4.74	4.51	4.32	4.26	4.21	4.14	N/A
0°C	5.28	4.84	4.63	4.43	4.28	4.23	4.18	4.12	N/A
5°C	5.00	4.68	4.51	4.36	4.23	4.19	4.15	4.10	N/A
10°C	4.73	4.51	4.39	4.27	4.18	4.15	4.12	4.08	N/A
15°C	4.47	4.34	4.26	4.19	4.12	4.10	4.08	4.05	N/A
20°C	4.23	4.17	4.13	4.10	4.06	4.05	4.04	4.03	N/A
25°C	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	N/A
30°C	3.79	3.84	3.87	3.90	3.93	3.94	3.95	3.97	N/A
35°C	3.59	3.68	3.74	3.80	3.86	3.88	3.91	3.94	N/A
40°C	3.41	3.53	3.61	3.70	3.79	3.82	3.85	3.90	N/A
45°C	3.24	3.39	3.48	3.60	3.71	3.76	3.80	3.86	N/A
50°C	3.09	3.25	3.36	3.50	3.64	3.69	3.74	3.82	N/A
55°C	2.95	3.12	3.25	3.40	3.56	3.62	3.69	3.78	N/A
60°C	2.83	3.01	3.14	3.30	3.48	3.55	3.63	3.73	N/A
65°C	2.71	2.89	3.03	3.20	3.40	3.48	3.56	3.68	N/A
70°C	2.61	2.79	2.93	3.11	3.32	3.41	3.50	3.64	N/A
75°C	2.52	2.69	2.83	3.02	3.24	3.33	3.44	3.59	N/A
80°C	2.43	2.60	2.74	2.94	3.16	3.26	3.37	3.53	N/A
85°C	2.35	2.52	2.66	2.85	3.09	3.19	3.31	3.48	N/A
90°C	2.28	2.45	2.58	2.78	3.01	3.12	3.24	3.43	N/A
95°C	2.22	2.38	2.51	2.70	2.94	3.05	3.18	3.37	N/A
100°C	2.16	2.31	2.44	2.63	2.87	2.98	3.12	3.32	N/A

Features

Thin Film Technology

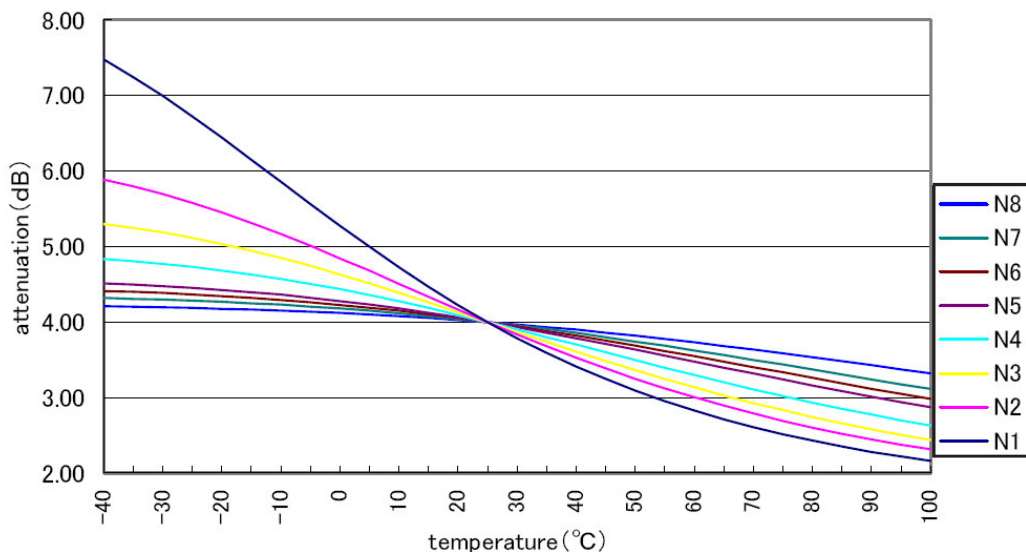
9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR



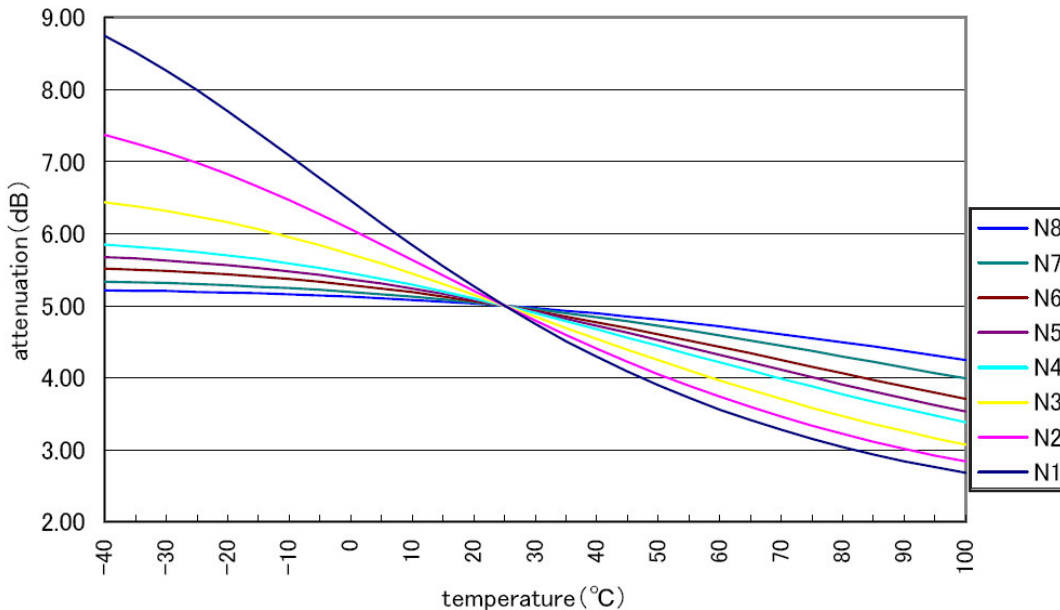
Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>



impossible made simple

AV-0805-C-05DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	8.75	7.37	6.44	5.85	5.68	5.52	5.34	5.22	N/A
-35°C	8.52	7.26	6.38	5.82	5.66	5.50	5.33	5.21	N/A
-30°C	8.27	7.13	6.32	5.79	5.63	5.48	5.31	5.20	N/A
-25°C	7.99	6.98	6.24	5.75	5.60	5.46	5.30	5.19	N/A
-20°C	7.70	6.82	6.16	5.70	5.56	5.43	5.28	5.18	N/A
-15°C	7.40	6.65	6.06	5.65	5.52	5.40	5.27	5.17	N/A
-10°C	7.09	6.46	5.96	5.59	5.48	5.37	5.24	5.16	N/A
-5°C	6.77	6.27	5.84	5.53	5.43	5.33	5.22	5.14	N/A
0°C	6.46	6.06	5.72	5.45	5.37	5.29	5.19	5.12	N/A
5°C	6.15	5.85	5.58	5.37	5.31	5.24	5.16	5.10	N/A
10°C	5.84	5.64	5.45	5.29	5.24	5.19	5.13	5.08	N/A
15°C	5.55	5.42	5.30	5.20	5.16	5.13	5.09	5.06	N/A
20°C	5.27	5.21	5.15	5.10	5.08	5.07	5.05	5.03	N/A
25°C	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	N/A
30°C	4.75	4.79	4.85	4.89	4.91	4.93	4.95	4.97	N/A
35°C	4.51	4.60	4.69	4.78	4.82	4.85	4.90	4.93	N/A
40°C	4.29	4.41	4.54	4.67	4.72	4.77	4.84	4.89	N/A
45°C	4.08	4.22	4.39	4.56	4.62	4.69	4.78	4.85	N/A
50°C	3.90	4.05	4.24	4.44	4.52	4.61	4.72	4.81	N/A
55°C	3.72	3.89	4.10	4.33	4.42	4.52	4.65	4.76	N/A
60°C	3.56	3.73	3.96	4.21	4.32	4.43	4.59	4.71	N/A
65°C	3.41	3.59	3.83	4.10	4.21	4.34	4.52	4.66	N/A
70°C	3.28	3.46	3.70	3.99	4.11	4.25	4.44	4.61	N/A
75°C	3.15	3.33	3.58	3.88	4.01	4.15	4.37	4.55	N/A
80°C	3.04	3.22	3.47	3.77	3.91	4.06	4.30	4.49	N/A
85°C	2.94	3.11	3.36	3.67	3.81	3.97	4.22	4.43	N/A
90°C	2.84	3.01	3.26	3.57	3.71	3.88	4.14	4.37	N/A
95°C	2.76	2.92	3.16	3.47	3.62	3.79	4.07	4.31	N/A
100°C	2.68	2.84	3.07	3.38	3.53	3.71	3.99	4.25	N/A



impossible made simple

Ver 3 11/2011 Specifications Subject to Change Without Notice

AV-0805

Features

Thin Film Technology

9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR

ims International Manufacturing Services, Inc.

Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

AV-0805

Features

Thin Film Technology

9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

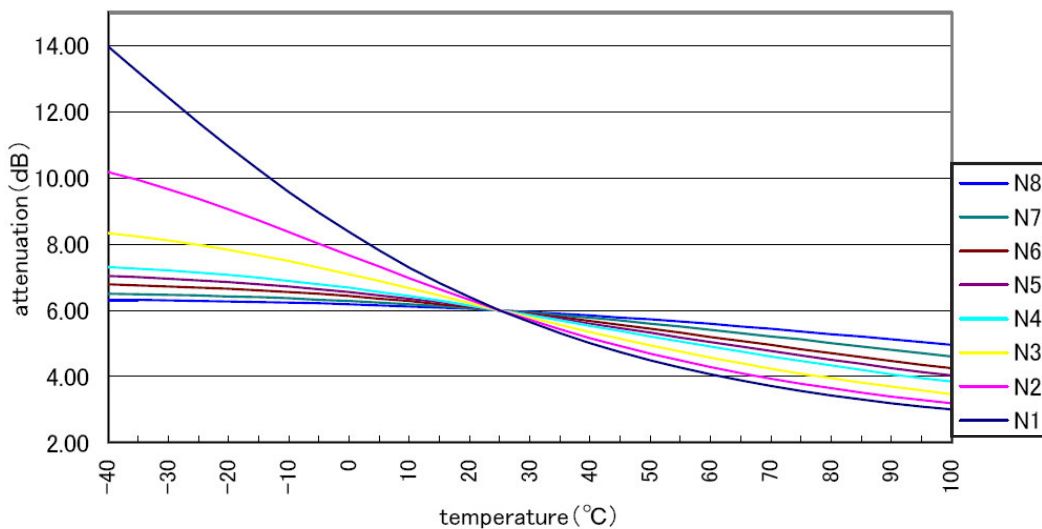
1.3:1 Nominal VSWR



Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

AV-0805-C-06DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	14.0	10.19	8.33	7.31	7.03	6.78	6.50	6.32	N/A
-35°C	13.2	9.94	8.22	7.26	7.00	6.76	6.49	6.31	N/A
-30°C	12.4	9.66	8.11	7.21	6.96	6.73	6.47	6.30	N/A
-25°C	11.7	9.37	7.97	7.14	6.91	6.69	6.45	6.29	N/A
-20°C	10.9	9.05	7.83	7.07	6.85	6.65	6.42	6.27	N/A
-15°C	10.2	8.72	7.66	6.99	6.79	6.61	6.39	6.25	N/A
-10°C	9.6	8.37	7.49	6.90	6.72	6.55	6.36	6.23	N/A
-5°C	8.9	8.02	7.30	6.79	6.64	6.49	6.32	6.21	N/A
0°C	8.4	7.67	7.09	6.68	6.55	6.43	6.28	6.18	N/A
5°C	7.8	7.32	6.88	6.56	6.46	6.36	6.24	6.15	N/A
10°C	7.3	6.97	6.67	6.43	6.35	6.28	6.28	6.12	N/A
15°C	6.8	6.63	6.45	6.29	6.24	6.19	6.13	6.08	N/A
20°C	6.4	6.31	6.22	6.15	6.12	6.10	6.07	6.04	N/A
25°C	6.0	6.00	6.00	6.00	6.00	6.00	6.00	6.00	N/A
30°C	5.6	5.70	5.78	5.85	5.87	5.90	5.93	5.95	N/A
35°C	5.3	5.43	5.56	5.69	5.74	5.79	5.85	5.90	N/A
40°C	5.0	5.16	5.35	5.53	5.60	5.67	5.77	5.84	N/A
45°C	4.7	4.92	5.14	5.37	5.46	5.56	5.69	5.79	N/A
50°C	4.5	4.69	4.94	5.21	5.32	5.44	5.60	5.72	N/A
55°C	4.3	4.48	4.75	5.06	5.18	5.32	5.51	5.66	N/A
60°C	4.1	4.28	4.57	4.90	5.04	5.19	5.41	5.59	N/A
65°C	3.9	4.10	4.40	4.75	4.90	5.07	5.32	5.52	N/A
70°C	3.7	3.93	4.24	4.61	4.77	4.95	5.22	5.44	N/A
75°C	3.6	3.78	4.09	4.47	4.63	4.83	5.12	5.36	N/A
80°C	3.4	3.64	3.95	4.33	4.50	4.71	5.01	5.28	N/A
85°C	3.3	3.51	3.81	4.20	4.38	4.59	4.91	5.20	N/A
90°C	3.2	3.39	3.69	4.07	4.26	4.47	4.81	5.12	N/A
95°C	3.1	3.29	3.57	3.96	4.14	4.36	4.71	5.04	N/A
100°C	3.0	3.19	3.47	3.84	4.02	4.25	4.61	4.95	N/A



impossible made simple

AV-0805-C-07DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	14.7	10.6	8.93	8.50	8.12	7.71	7.45	7.31	N/A
-35°C	14.1	10.5	8.86	8.44	8.08	7.69	7.43	7.30	N/A
-30°C	13.4	10.3	8.77	8.38	8.04	7.66	7.43	7.29	N/A
-25°C	12.7	10.0	8.67	8.31	7.99	7.63	7.40	7.27	N/A
-20°C	12.0	9.8	8.56	8.23	7.93	7.59	7.38	7.26	N/A
-15°C	11.4	9.5	8.43	8.13	7.86	7.55	7.35	7.24	N/A
-10°C	10.7	9.2	8.29	8.02	7.78	7.51	7.32	7.22	N/A
-5°C	10.1	8.9	8.14	7.91	7.70	7.45	7.29	7.20	N/A
0°C	9.5	8.6	7.97	7.78	7.60	7.39	7.26	7.18	N/A
5°C	8.9	8.3	7.79	7.64	7.50	7.33	7.21	7.15	N/A
10°C	8.4	8.0	7.61	7.49	7.39	7.26	7.17	7.12	N/A
15°C	7.9	7.6	7.41	7.34	7.27	7.18	7.12	7.08	N/A
20°C	7.4	7.3	7.21	7.17	7.14	7.09	7.06	7.04	N/A
25°C	7.0	7.0	7.00	7.00	7.00	7.00	7.00	7.00	N/A
30°C	6.6	6.7	6.79	6.82	6.86	6.90	6.93	6.95	N/A
35°C	6.2	6.4	6.58	6.64	6.71	6.80	6.86	6.90	N/A
40°C	5.9	6.1	6.37	6.46	6.56	6.69	6.79	6.85	N/A
45°C	5.6	5.9	6.16	6.28	6.40	6.57	6.71	6.79	N/A
50°C	5.3	5.6	5.95	6.09	6.24	6.46	6.62	6.73	N/A
55°C	5.0	5.4	5.75	5.91	6.08	6.33	6.53	6.66	N/A
60°C	4.8	5.1	5.55	5.73	5.92	6.21	6.44	6.59	N/A
65°C	4.6	4.9	5.36	5.55	5.77	6.08	6.34	6.52	N/A
70°C	4.4	4.7	5.18	5.38	5.61	5.95	6.25	6.44	N/A
75°C	4.2	4.6	5.01	5.21	5.45	5.82	6.14	6.36	N/A
80°C	4.0	4.4	4.84	5.05	5.30	5.69	6.04	6.28	N/A
85°C	3.9	4.2	4.68	4.90	5.16	5.56	5.93	6.20	N/A
90°C	3.7	4.1	4.53	4.75	5.01	5.44	5.83	6.11	N/A
95°C	3.6	3.9	4.39	4.61	4.87	5.31	5.72	6.02	N/A
100°C	3.5	3.8	4.26	4.47	4.74	5.19	5.61	5.93	N/A

AV-0805

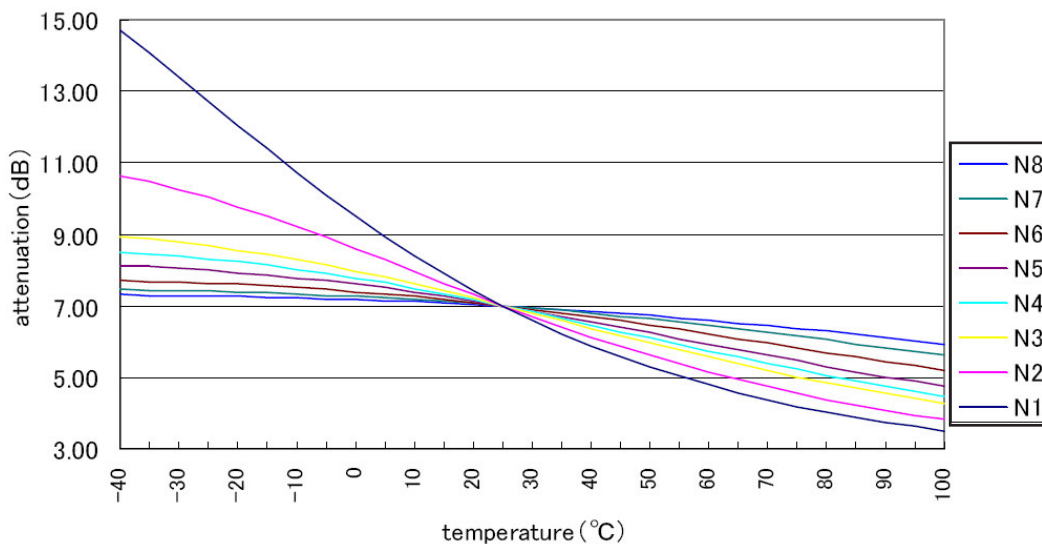
Features

Thin Film Technology

9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR



impossible made simple

Ver 3 11/2011 Specifications Subject to Change Without Notice

ims International
Manufacturing
Services, Inc.

Tel (401) 683-9700
Fax (401) 683-5571
e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

AV-0805

AV-0805-C-08DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	13.7	10.8	10.1	9.55	8.96	8.60	8.41	8.28	N/A
-35°C	13.4	10.7	10.0	9.50	8.93	8.59	8.40	8.27	N/A
-30°C	13.0	10.5	9.9	9.43	8.90	8.56	8.38	8.26	N/A
-25°C	12.6	10.4	9.8	9.36	8.85	8.54	8.37	8.25	N/A
-20°C	12.1	10.2	9.7	9.27	8.80	8.51	8.35	8.24	N/A
-15°C	11.7	10.0	9.6	9.18	8.75	8.48	8.32	8.22	N/A
-10°C	11.2	9.8	9.4	9.07	8.68	8.44	8.30	8.20	N/A
-5°C	10.7	9.6	9.2	8.95	8.61	8.39	8.27	8.18	N/A
0°C	10.3	9.3	9.1	8.82	8.53	8.34	8.24	8.16	N/A
5°C	9.8	9.1	8.9	8.67	8.44	8.29	8.20	8.13	N/A
10°C	9.3	8.8	8.7	8.52	8.34	8.22	8.16	8.11	N/A
15°C	8.9	8.6	8.5	8.36	8.24	8.16	8.11	8.07	N/A
20°C	8.4	8.3	8.2	8.18	8.12	8.08	8.06	8.04	N/A
25°C	8.0	8.0	8.0	8.00	8.00	8.00	8.00	8.00	N/A
30°C	7.6	7.7	7.8	7.81	7.87	7.91	7.94	7.96	N/A
35°C	7.2	7.4	7.5	7.62	7.73	7.82	7.87	7.91	N/A
40°C	6.9	7.2	7.3	7.42	7.59	7.72	7.80	7.86	N/A
45°C	6.5	6.9	7.1	7.22	7.44	7.61	7.72	7.81	N/A
50°C	6.2	6.7	6.8	7.02	7.29	7.50	7.64	7.75	N/A
55°C	5.9	6.4	6.6	6.82	7.13	7.39	7.56	7.69	N/A
60°C	5.7	6.2	6.4	6.62	6.98	7.27	7.47	7.62	N/A
65°C	5.4	5.9	6.2	6.42	6.82	7.15	7.37	7.55	N/A
70°C	5.2	5.7	6.0	6.23	6.66	7.02	7.27	7.48	N/A
75°C	5.0	5.5	5.8	6.04	6.49	6.89	7.17	7.40	N/A
80°C	4.8	5.3	5.6	5.86	6.33	6.76	7.07	7.32	N/A
85°C	4.6	5.1	5.4	5.68	6.18	6.63	6.96	7.24	N/A
90°C	4.4	4.9	5.2	5.51	6.02	6.50	6.85	7.15	N/A
95°C	4.3	4.8	5.0	5.35	5.87	6.37	6.74	7.06	N/A
100°C	4.1	4.6	4.9	5.19	5.72	6.23	6.63	6.97	N/A

Features

Thin Film Technology

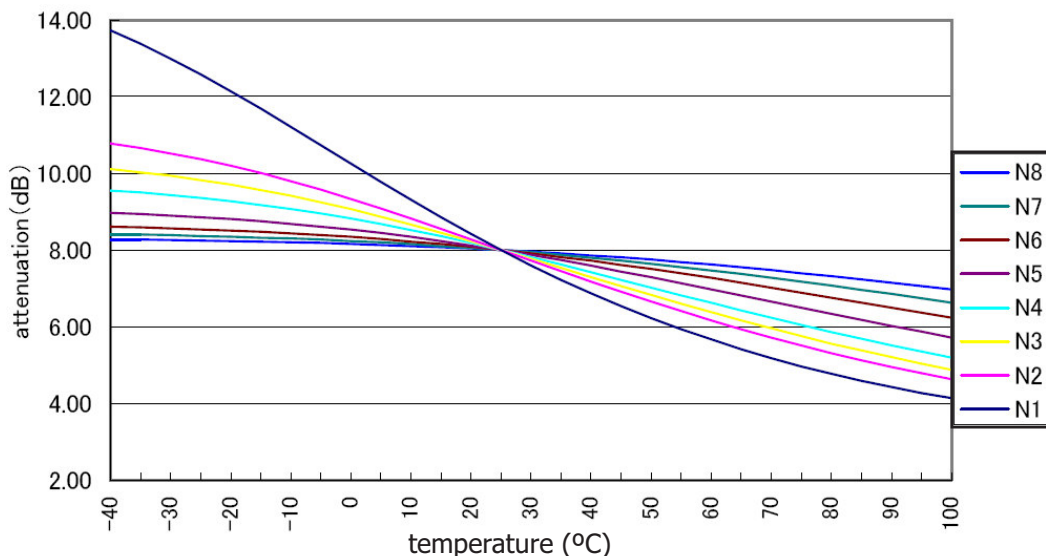
9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR



Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>



impossible made simple

AV-0805-C-09DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	12.9	11.9	11.1	10.3	9.8	9.5	9.4	9.24	N/A
-35°C	12.7	11.8	11.0	10.2	9.8	9.5	9.3	9.23	N/A
-30°C	12.5	11.6	10.9	10.2	9.7	9.5	9.3	9.22	N/A
-25°C	12.3	11.5	10.8	10.1	9.7	9.5	9.3	9.22	N/A
-20°C	12.0	11.3	10.7	10.1	9.7	9.5	9.3	9.20	N/A
-15°C	11.8	11.1	10.6	10.0	9.6	9.4	9.3	9.19	N/A
-10°C	11.4	10.9	10.4	9.9	9.6	9.4	9.3	9.18	N/A
-5°C	11.1	10.7	10.3	9.8	9.5	9.3	9.2	9.16	N/A
0°C	10.8	10.4	10.1	9.7	9.4	9.3	9.2	9.14	N/A
5°C	10.4	10.2	9.9	9.6	9.4	9.3	9.2	9.12	N/A
10°C	10.1	9.9	9.7	9.4	9.3	9.2	9.1	9.09	N/A
15°C	9.7	9.6	9.5	9.3	9.2	9.1	9.1	9.07	N/A
20°C	9.4	9.3	9.2	9.2	9.1	9.1	9.1	9.03	N/A
25°C	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.00	N/A
30°C	8.6	8.7	8.8	8.8	8.9	8.9	8.9	8.96	N/A
35°C	8.3	8.4	8.5	8.7	8.8	8.8	8.9	8.92	N/A
40°C	8.0	8.1	8.3	8.5	8.6	8.7	8.8	8.88	N/A
45°C	7.6	7.8	8.0	8.3	8.5	8.6	8.8	8.83	N/A
50°C	7.3	7.5	7.8	8.1	8.4	8.5	8.7	8.78	N/A
55°C	7.0	7.3	7.5	7.9	8.2	8.4	8.6	8.72	N/A
60°C	6.7	7.0	7.3	7.7	8.1	8.3	8.5	8.66	N/A
65°C	6.5	6.7	7.0	7.5	7.9	8.2	8.4	8.60	N/A
70°C	6.2	6.5	6.8	7.3	7.8	8.1	8.3	8.53	N/A
75°C	6.0	6.3	6.6	7.1	7.6	8.0	8.2	8.46	N/A
80°C	5.7	6.0	6.4	6.9	7.5	7.8	8.1	8.39	N/A
85°C	5.5	5.8	6.2	6.8	7.3	7.7	8.0	8.31	N/A
90°C	5.3	5.6	6.0	6.6	7.1	7.6	7.9	8.23	N/A
95°C	5.1	5.4	5.8	6.4	7.0	7.4	7.8	8.14	N/A
100°C	5.0	5.3	5.6	6.2	6.8	7.3	7.7	8.06	N/A

AV-0805

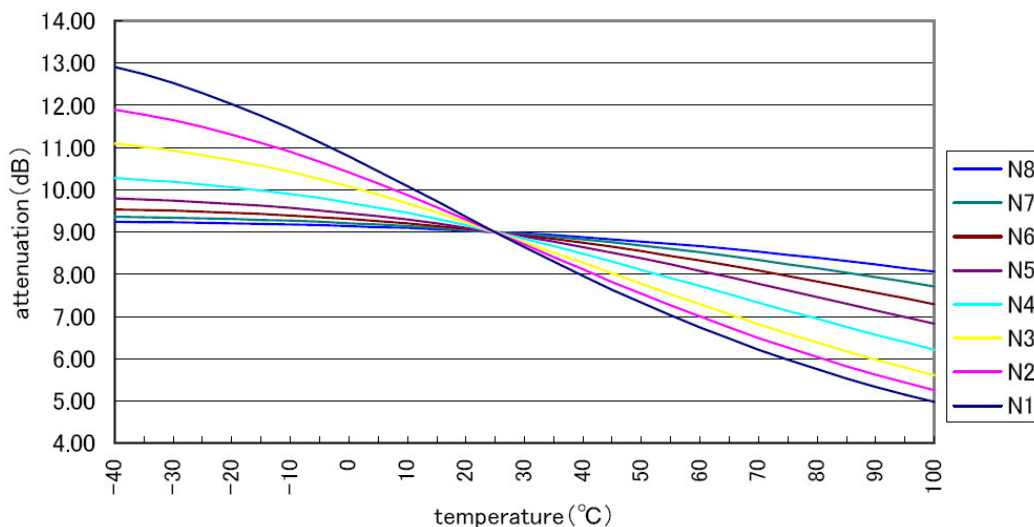
Features

Thin Film Technology

9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR



impossible made simple

ims International
Manufacturing
Services, Inc.

Tel (401) 683-9700
Fax (401) 683-5571
e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>

AV-0805

AV-0805-C-10DBNx

Temperature	N1	N2	N3	N4	N5	N6	N7	N8	N9
-40°C	15.5	14.0	12.8	11.7	11.0	10.7	10.5	10.3	N/A
-35°C	15.2	13.8	12.7	11.6	11.0	10.7	10.4	10.3	N/A
-30°C	14.9	13.6	12.6	11.5	10.9	10.6	10.4	10.3	N/A
-25°C	14.5	13.3	12.4	11.5	10.9	10.6	10.4	10.3	N/A
-20°C	14.2	13.1	12.2	11.4	10.9	10.6	10.4	10.3	N/A
-15°C	13.7	12.8	12.1	11.3	10.8	10.5	10.4	10.2	N/A
-10°C	13.3	12.5	11.9	11.2	10.7	10.5	10.3	10.2	N/A
-5°C	12.8	12.2	11.6	11.0	10.7	10.4	10.3	10.2	N/A
0°C	12.4	11.8	11.4	10.9	10.6	10.4	10.3	10.2	N/A
5°C	11.9	11.5	11.1	10.7	10.5	10.3	10.2	10.1	N/A
10°C	11.4	11.1	10.9	10.6	10.4	10.3	10.2	10.1	N/A
15°C	10.9	10.8	10.6	10.4	10.3	10.2	10.1	10.1	N/A
20°C	10.5	10.4	10.3	10.2	10.1	10.1	10.1	10.0	N/A
25°C	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	N/A
30°C	9.6	9.6	9.7	9.8	9.9	9.9	9.9	10.0	N/A
35°C	9.1	9.3	9.4	9.6	9.7	9.8	9.9	9.9	N/A
40°C	8.7	8.9	9.1	9.3	9.6	9.7	9.8	9.8	N/A
45°C	8.3	8.5	8.8	9.1	9.4	9.6	9.7	9.8	N/A
50°C	8.0	8.2	8.5	8.9	9.2	9.4	9.6	9.7	N/A
55°C	7.6	7.9	8.2	8.7	9.0	9.3	9.5	9.6	N/A
60°C	7.3	7.6	7.9	8.4	8.9	9.2	9.4	9.6	N/A
65°C	7.0	7.3	7.6	8.2	8.7	9.0	9.3	9.5	N/A
70°C	6.7	7.0	7.4	8.0	8.5	8.9	9.2	9.4	N/A
75°C	6.4	6.7	7.1	7.7	8.3	8.7	9.1	9.3	N/A
80°C	6.1	6.5	6.9	7.5	8.1	8.6	8.9	9.2	N/A
85°C	5.9	6.2	6.6	7.3	7.9	8.4	8.8	9.1	N/A
90°C	5.7	6.0	6.4	7.1	7.7	8.2	8.7	9.0	N/A
95°C	5.5	5.8	6.2	6.9	7.6	8.1	8.5	8.9	N/A
100°C	5.3	5.6	6.0	6.7	7.4	7.9	8.4	8.8	N/A

Features

Thin Film Technology

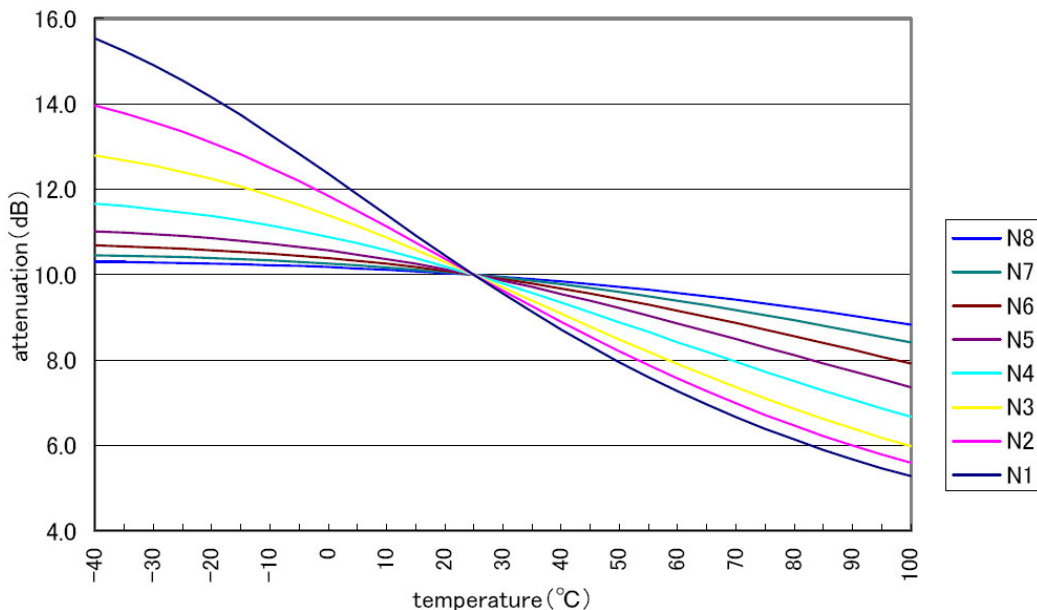
9 Different Temperature Characteristics

Attenuation from 1dB to 10dB in 1dB increments

1.3:1 Nominal VSWR



Tel (401) 683-9700
 Fax (401) 683-5571
 e-mail: ims@ims-resistors.com
<http://www.ims-resistors.com>



impossible made simple