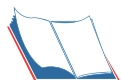
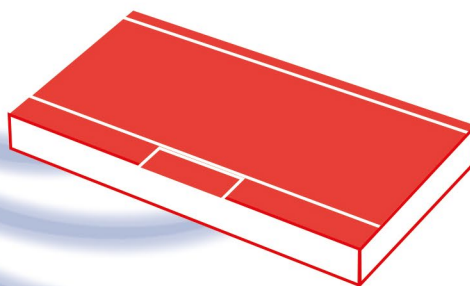


CHIP TERMINATIONS



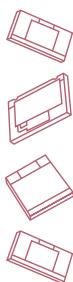
=> Search by Part Number



For Power Amplifiers, Couplers, Combiners & Isolators

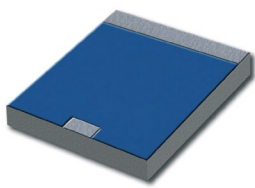
- ⇒ Easy soldering on base plate
- ⇒ Sizes 0606 to 5050
- ⇒ 5 W to 500 W
- ⇒ Up to 22 GHz

5 W 12 GHz AlN	3	60 W 4 GHz BeO	16
5 W 22 GHz BeO	4	100 W 6 GHz AlN	17
10 W 12 GHz AlN	5	120 W 3 GHz AlN	18
10 W 18 GHz BeO	6	150 W 2.5 GHz BeO	19
10 W 18 GHz BeO	7	150 W 3 GHz AlN	20
15 W 4 GHz BeO	8	150 W 4 GHz AlN	21
20 W 4 GHz AlN	9	150-220 W 5 GHz BeO	22
20 W 14 GHz AlN	10	250 W 2.2 GHz AlN	23
20 W 14 GHz BeO	11	250 W 3 GHz BeO	24
25 W 4 GHz AlN	12	400 W 2 GHz BeO	25
35 W 11 GHz AlN	13	500 W 4 GHz BeO	26
50 W 8 GHz AlN	14	Search by Part Number	27
60 W 4 GHz AlN	15		





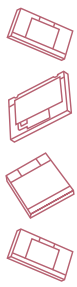
5 W 12 GHz AIN



Standards
NF C 96-315
MIL-DTL-39030

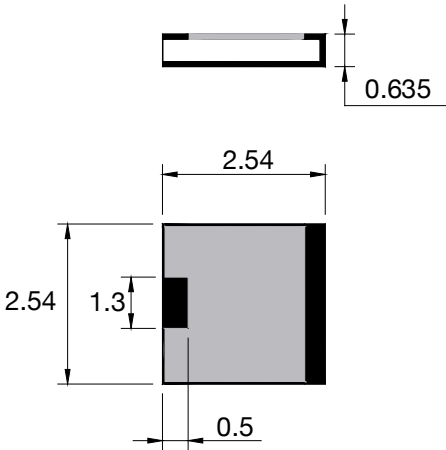
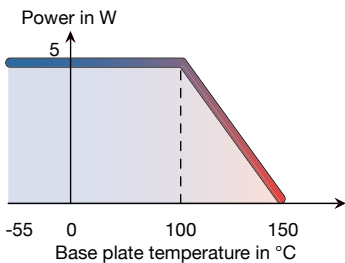


Chip Terminations



Substrate
Resistive film
Protection film
Contacts finition
Size

AIN
Thick film
Epoxy
Silver over Nickel barrier
1010



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0183Y	12	5	50	1.35

mm	inch
0.5	0.020
0.635	0.025
1.3	0.051
2.54	0.100

5 W 22 GHz BeO



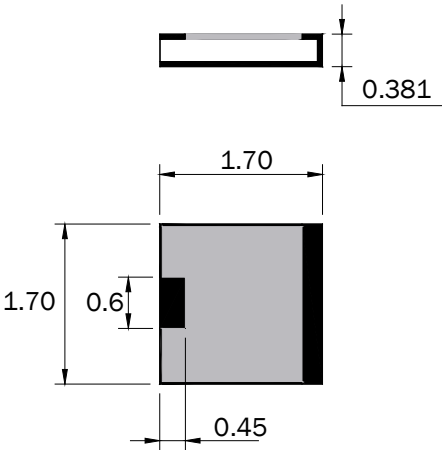
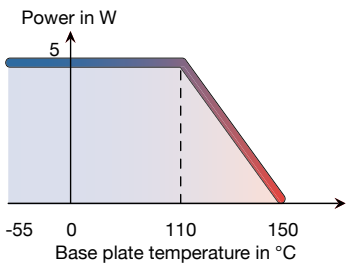
Standards
NF C 96-315
MIL-DTL-39030



Chip Terminations

Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Epoxy
PtAg
0606



Dimensions in mm

[Return to Search by Part Number](#)

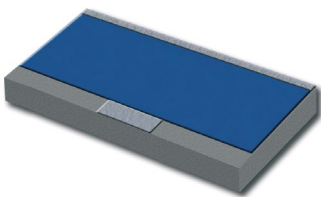
P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0333	22	5	50	1.15
48-0333*	22	5	50	1.15

mm	inch
0.381	0.020
0.45	0.018
0.6	0.024
1.70	0.067

* Space grade



10 W 12 GHz AIN

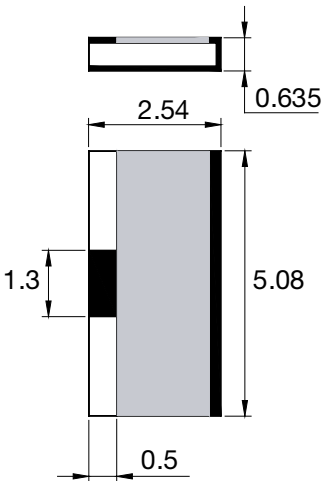
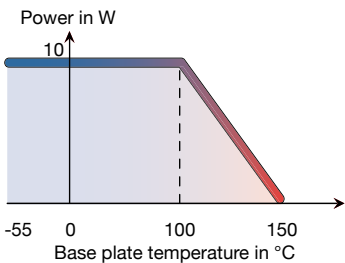


Standards
NF C 96-315
MIL-DTL-39030



Substrate
Resistive film
Protection film
Contacts finition
Size

AIN
Thick film
Epoxy
Silver over Nickel barrier
2010

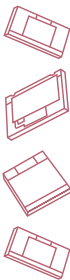


Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
40-0351Y	12	10	50	1.35

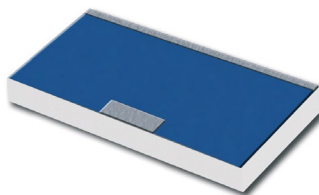
mm	inch
0.5	0.020
0.635	0.025
1.3	0.051
2.54	0.100
5.08	0.200



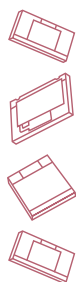
10 W 18 GHz BeO



Standards
NF C 96-315
MIL-DTL-39030

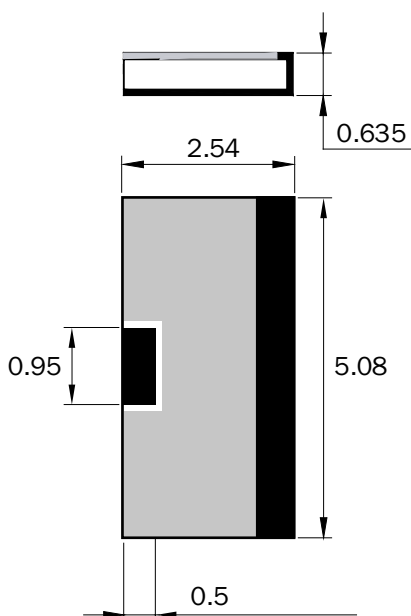
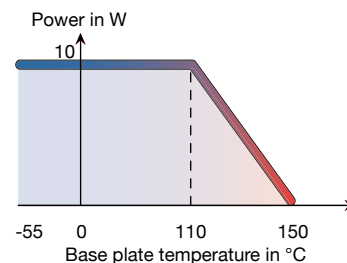


Chip Terminations



Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Overglaze
PtAg
2010



Dimensions in mm

[Return to Search by Part Number](#)

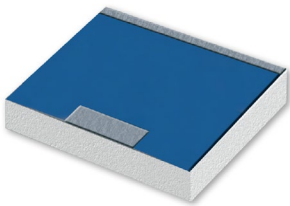
P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0351	18	10	50	1.40
48-0351*	18	10	50	1.40

mm	inch
0.5	0.020
0.635	0.025
0.95	0.037
2.54	0.100
5.08	0.200

* Space grade



10 W 18 GHz BeO

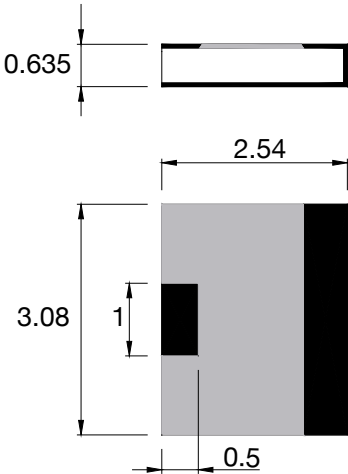
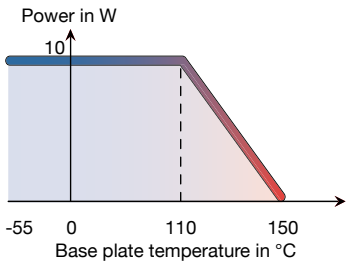


Standards
NF C 96-315
MIL-DTL-39030



Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Epoxy
PtAg
1210

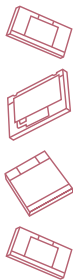


Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0264	18	10	50	1.30

mm	inch
0.5	0.020
0.635	0.025
1.0	0.039
2.54	0.100
3.08	0.121



15 W 4 GHz BeO



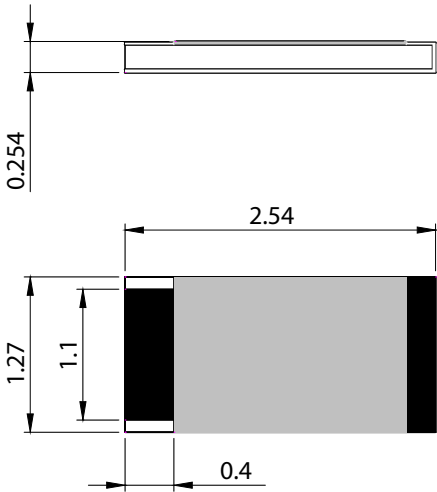
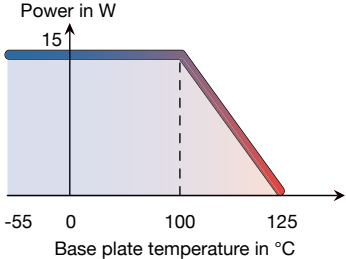
Standards
NF C 96-315
MIL-DTL-39030



Chip Terminations

Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Epoxy
PtAg
1005



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0275	4	15	50	1.25

mm	inch
0.254	0.010
0.4	0.016
1.1	0.043
1.27	0.050
2.54	0.100



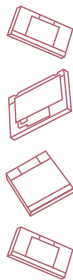
20 W 4 GHz AIN



Standards
NF C 96-315
MIL-DTL-39030

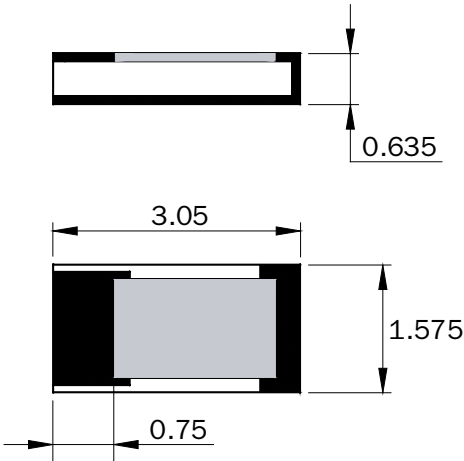
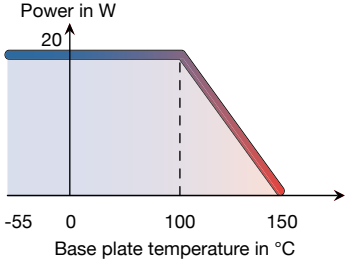


Chip Terminations



Substrate
Resistive film
Protection film
Contacts finition
Size

AIN
Thick film
Epoxy
Silver over Nickel barrier
1206



Dimensions in mm

[Return to Search by Part Number](#)

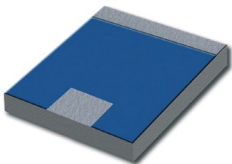
P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0006Y	4	20	50	1.20

mm	inch
0.635	0.025
0.75	0.030
1.575	0.062
3.05	0.120

20 W 14 GHz AIN

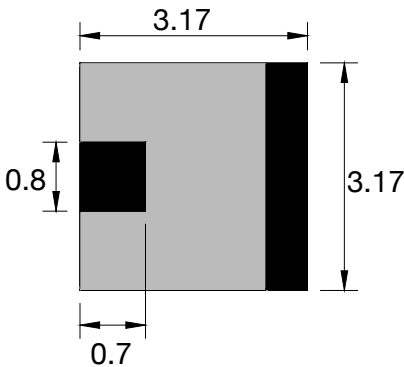
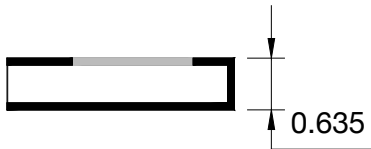
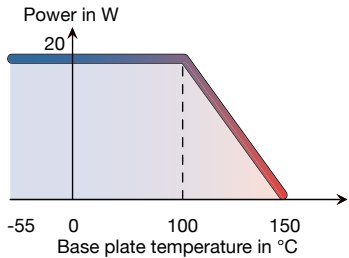


Standards
NF C 96-315
MIL-DTL-39030



Chip Terminations

Substrate	AlN
Resistive film	Thick film
Protection film	Epoxy
Contacts finition	Silver over Nickel barrier
Size	1212



Dimensions in mm

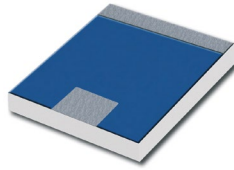
[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0078Y	14	20	50	1.30

mm	inch
0.635	0.025
0.7	0.027
0.8	0.031
3.17	0.125



20 W 14 GHz BeO

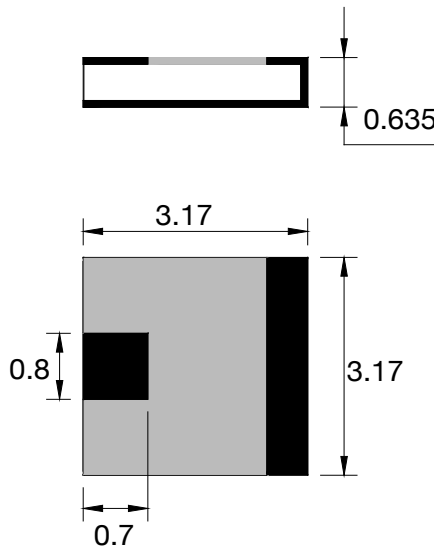
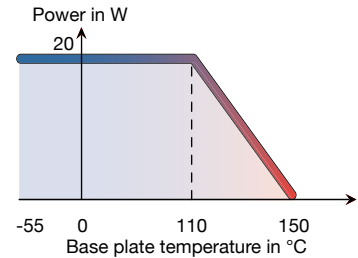


Standards
NF C 96-315
MIL-DTL-39030



Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Epoxy
PtAg
1212



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0078Y	14	20	50	1.30
48-0078*	14	20	50	1.30

* Space grade

mm	inch
0.635	0.025
0.7	0.027
0.8	0.031
3.17	0.125

Chip Terminations



25 W 4 GHz AIN

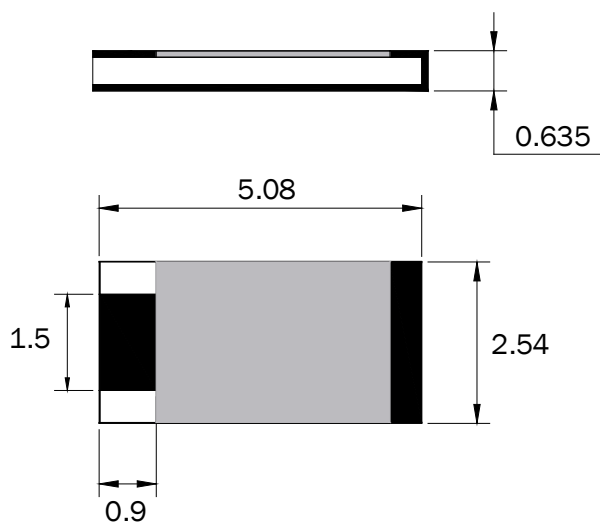
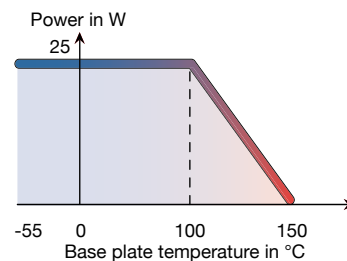


Standards
NF C 96-315
MIL-DTL-39030



Chip Terminations

Substrate	AlN
Resistive film	Thick film
Protection film	Epoxy
Contacts finition	Silver over Nickel barrier
Size	2010



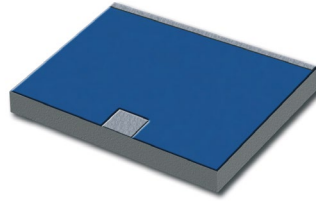
Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0072Y	4	25	50	1.20

mm	inch
0.635	0.025
0.9	0.035
1.5	0.059
2.54	0.100
5.08	0.200

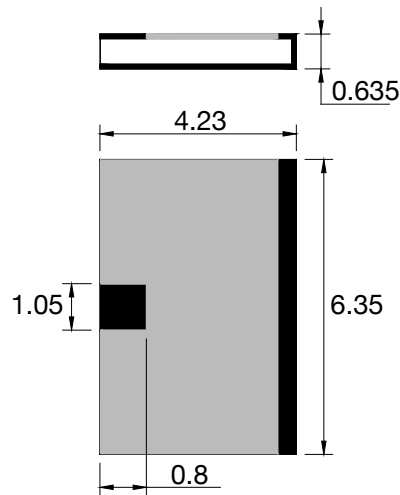
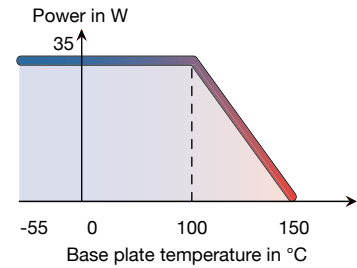
35 W 11 GHz AIN



Standards
NF C 96-315
MIL-DTL-39030



Substrate	AlN
Resistive film	Thick film
Protection film	Epoxy
Contacts finition	Silver over Nickel barrier
Size	2516



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0079Y	11	35	50	1.30

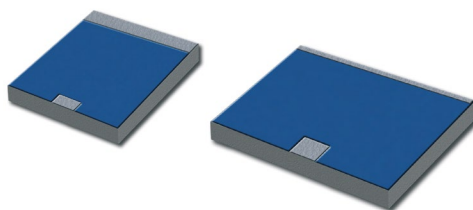
mm	inch
0.635	0.025
0.8	0.031
1.05	0.041
4.23	0.166
6.35	0.250



50 W 8 GHz AIN

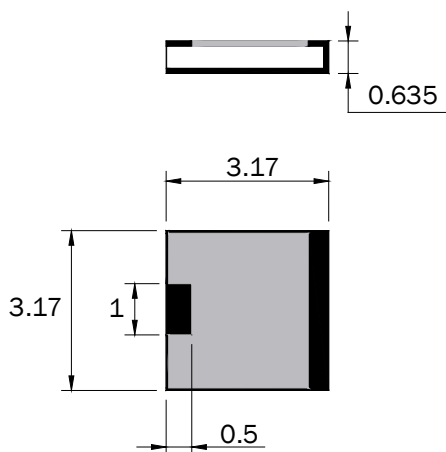
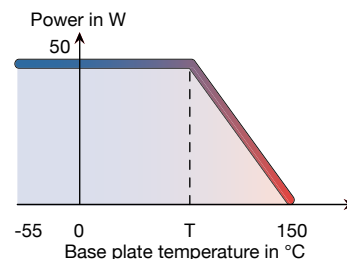


Standards
NF C 96-315
MIL-DTL-39030

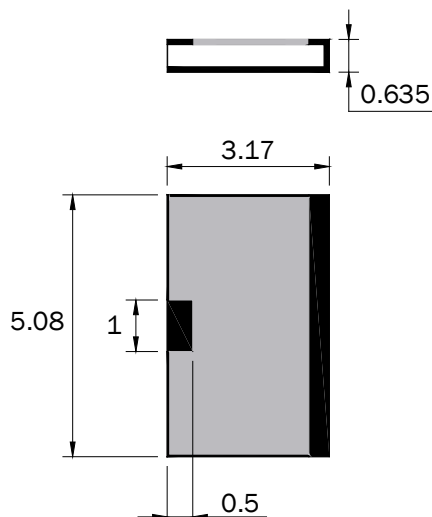


Chip Terminations

Substrate AIN
Resistive film Thick film
Protection film Epoxy
Contacts finition Silver over Nickel barrier
Size 1212, 2012



45-0041Y



45-0050Y

Dimensions in mm

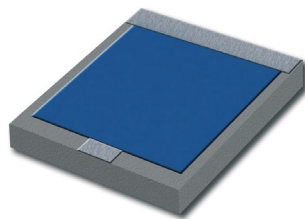
[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR	T (°C)
45-0041Y	8	50	50	1.25	85
45-0050Y	8	50	50	1.30	100

mm	inch
0.5	0.020
0.635	0.025
1	0.039
3.17	0.125
5.08	0.200



60 W 4 GHz AIN

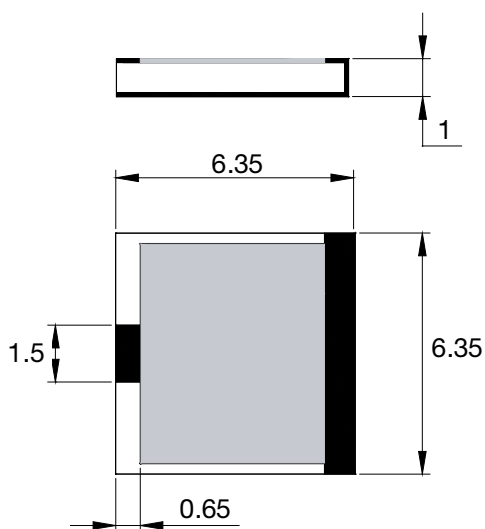
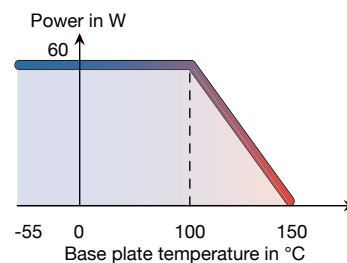


Standards
NF C 96-315
MIL-DTL-39030



Substrate
Resistive film
Protection film
Contacts finition
Size

AIN
Thick film
Epoxy
Silver over Nickel barrier
2525



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0005Y	4	60	50	1.25

mm	inch
0.65	0.026
1	0.039
1.5	0.059
6.35	0.250

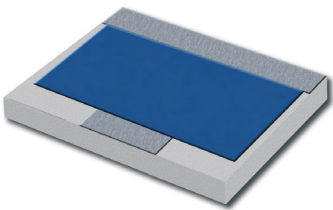
Chip Terminations



60 W 4 GHz BeO

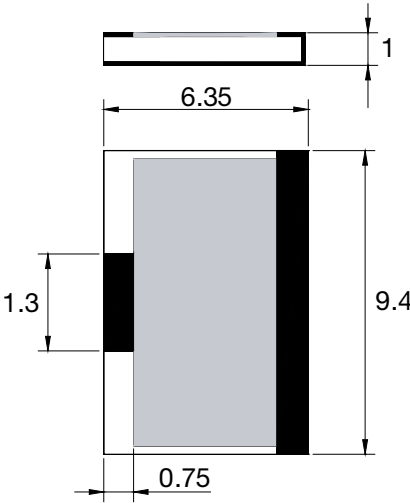
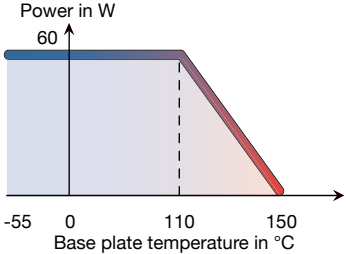


Standards
NF C 96-315
MIL-DTL-39030



Substrate
Resistive film
Protection film
Contacts
Size

BeO
Thick film
Epoxy
PtAg
3725



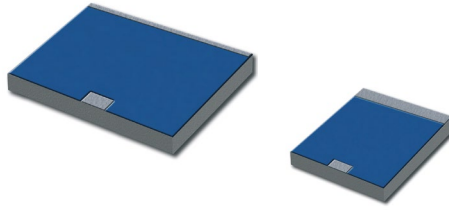
Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
40-0234	4	60	50	1.30

mm	inch
0.75	0.030
1	0.039
1.3	0.051
6.35	0.250
9.4	0.370

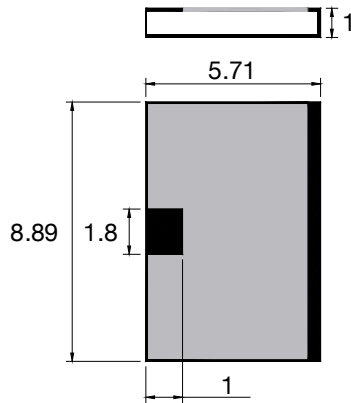
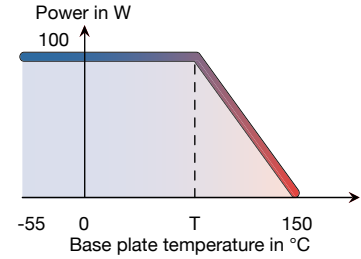
100 W 6 GHz AIN



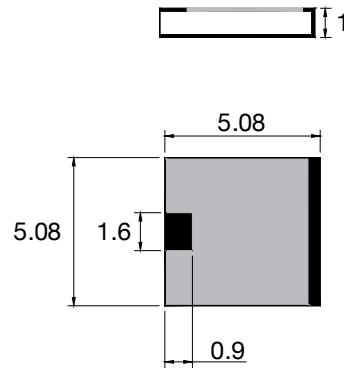
Standards
NF C 96-315
MIL-DTL-39030



Substrate AIN
Resistive film Thick film
Protection film Epoxy
Contacts finition Silver over Nickel barrier
Size 3523, 2020



45-0037Y



45-0036Y

Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR	T (°C)
45-0037Y	5	100	50	1.20*	100
45-0036Y	6	100	50	1.20**	85

* VSWR ≤ 1.06 at 3.5 GHz

** VSWR ≤ 1.10 at 3.5 GHz

mm	inch
0.9	0.035
1	0.039
1.6	0.063
1.8	0.071
5.08	0.200
5.71	0.225
8.89	0.350

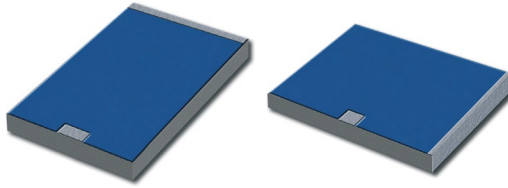
Chip Terminations



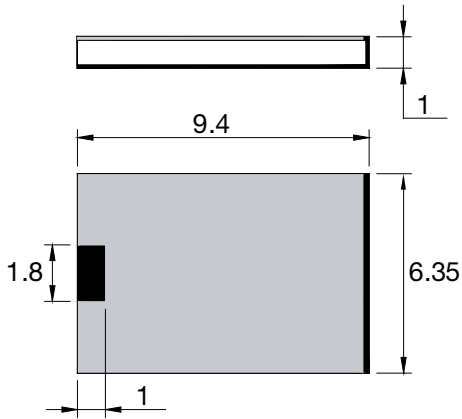
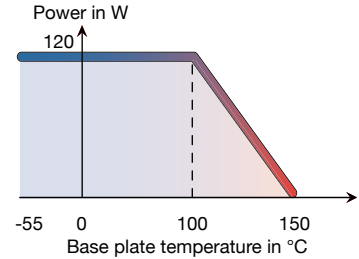
120 W 3 GHz AIN



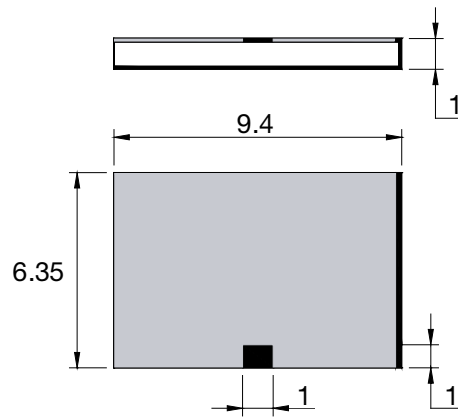
Standards
NF C 96-315
MIL-DTL-39030



Substrate	AIN
Resistive film	Thick film
Protection film	Epoxy
Contacts finition	Silver over Nickel barrier
Size	3725



40-0327Y



40-0316Y

Dimensions in mm

[Return to Search by Part Number](#)

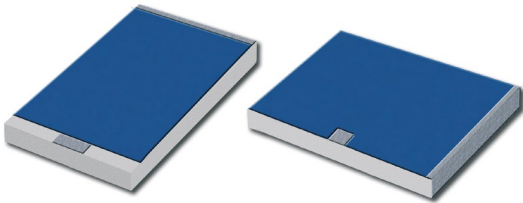
P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
40-0316Y	2.2	120	50	1.20
40-0327Y	3	120	50	1.20

mm	inch
1	0.039
1.8	0.071
6.35	0.250
9.4	0.370

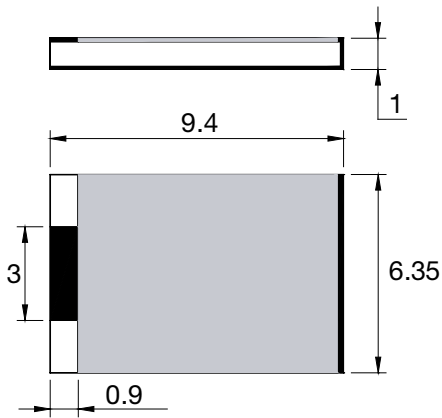
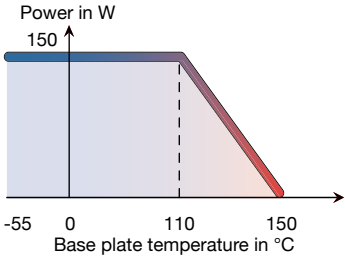


150 W 2.5 GHz BeO

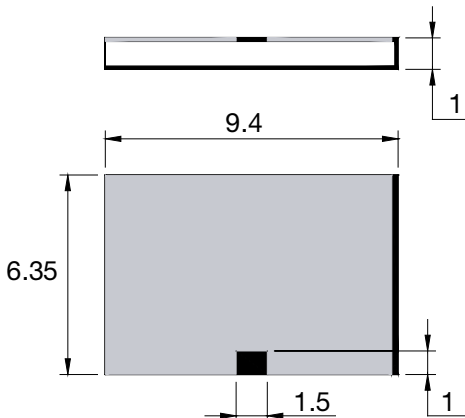
Standards
NF C 96-315
MIL-DTL-39030



Substrate BeO
Resistive film Thick film
Protection film Epoxy
Contacts PtAg
Size 3725



40-0286

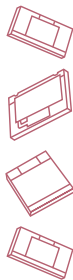


40-0287

Dimensions in mm

Return to Search by Part Number				
P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
40-0286	2.5	150	50	1.20
40-0287	2.5	150	50	1.20

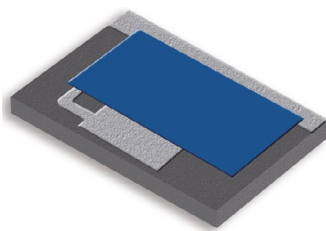
mm	inch
0.9	0.035
1	0.039
1.5	0.059
3	0.118
6.35	0.250
9.4	0.370



150 W 3 GHz AIN

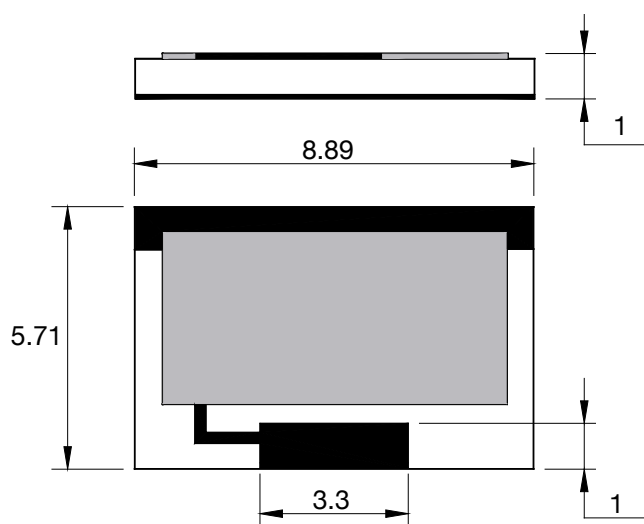
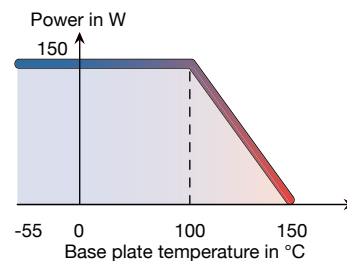


Standards
NF C 96-315
MIL-DTL-39030



Chip Terminations

Substrate	AIN
Resistive film	Thick film
Protection film	Epoxy
Contacts finition	Silver over Nickel barrier
Size	3523



Dimensions in mm

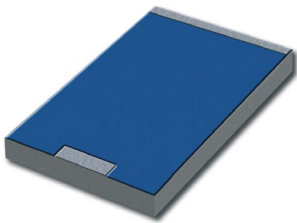
[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0013Y	3	150	50	1.20

mm	inch
1	0.039
3.3	0.130
5.71	0.225
8.89	0.350



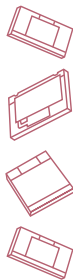
150 W 4 GHz AIN



Standards
NF C 96-315
MIL-DTL-39030

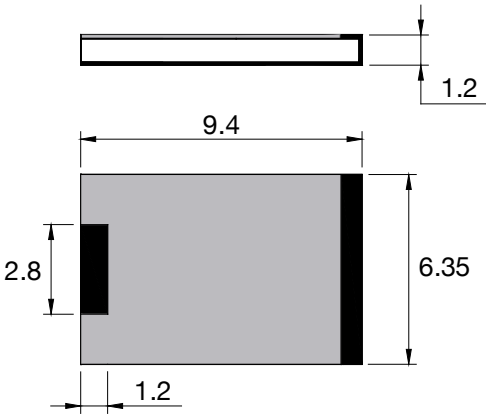
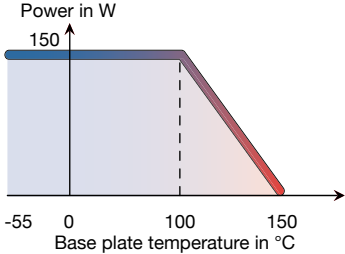


Chip Terminations



Substrate
Resistive film
Protection film
Contacts finition
Size

AIN
Thick film
Epoxy
Sllver over Nickel barrier
3725



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0045Y	4	150	50	1.20*

* VSWR ≤ 1.10 at 3GHz

mm	inch
1.2	0.047
2.8	0.110
6.35	0.250
9.4	0.370

150-220 W 5 GHz BeO



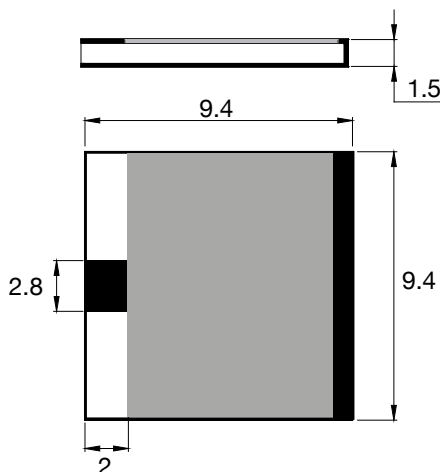
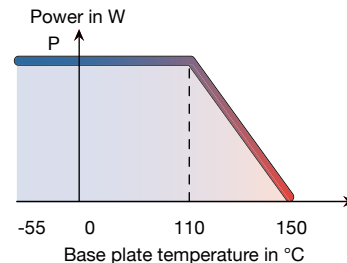
Standards
NF C 96-315
MIL-DTL-39030



Chip Terminations

Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Overglaze
PtAg
2525



Dimensions in mm

[Return to Search by Part Number](#)

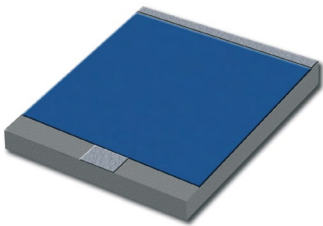
P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0218	5	220	50	1.15
47-0218*	5	150	50	1.15

mm	inch
1.5	0.059
2	0.079
2.8	0.110
9.4	0.370

* Space grade



250 W 2.2 GHz AIN

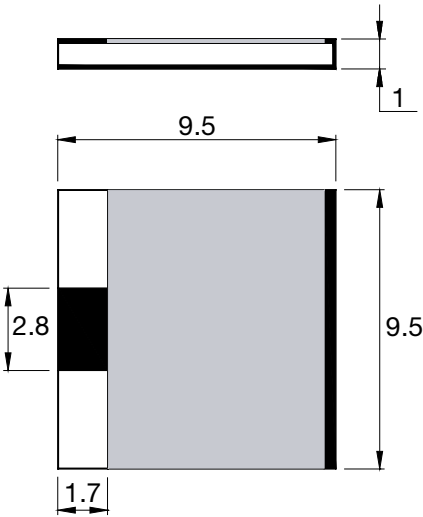
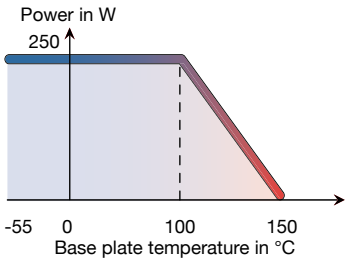


Standards
NF C 96-315
MIL-DTL-39030



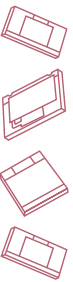
Substrate
Resistive film
Protection film
Contacts finition
Size

AIN
Thick film
Epoxy
Silver over Nickel barrier
3737



Dimensions in mm

Chip Terminations



[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
45-0015Y	2.2	250	50	1.15
45-0059Y	0.5	250	100	

mm	inch
1	0.039
1.7	0.067
2.8	0.110
9.5	0.374

250 W 3 GHz BeO

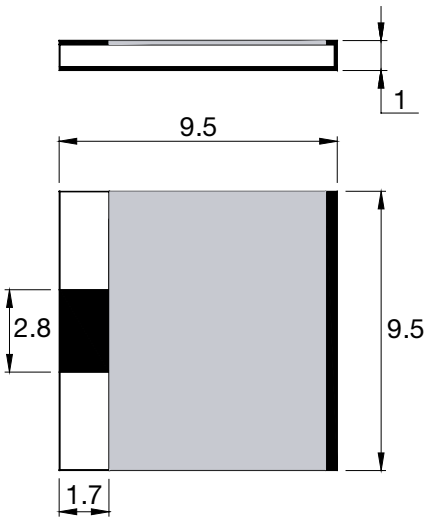
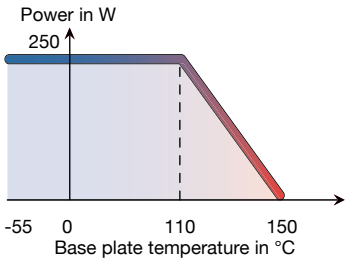


Standards
NF C 96-315
MIL-DTL-39030



Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Epoxy
PtAg
3737



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0284	3	250	50	1.20

mm	inch
1	0.039
1.7	0.067
2.8	0.110
9.5	0.374



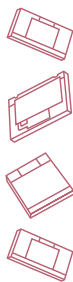
400 W 2 GHz BeO



Standards
NF C 96-315
MIL-DTL-39030

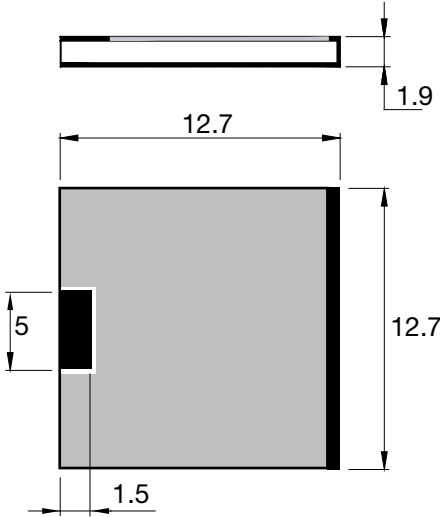
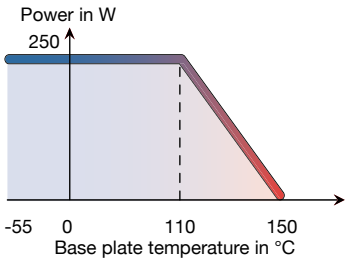


Chip Terminations



Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Epoxy
PtAg
5050



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0212	2	400	50	1.15
47-0212*	2	400	50	1.15

mm	inch
1.5	0.059
1.9	0.075
5	0.197
12.7	0.5

* Space grade

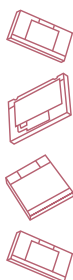
500 W 4 GHz BeO



Standards
NF C 96-315
MIL-DTL-39030

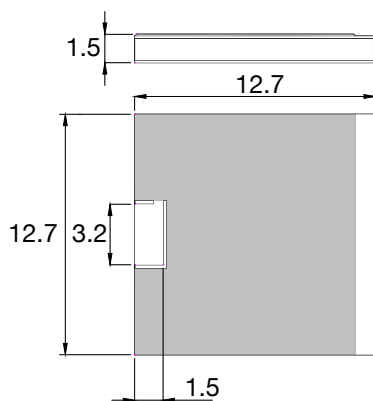
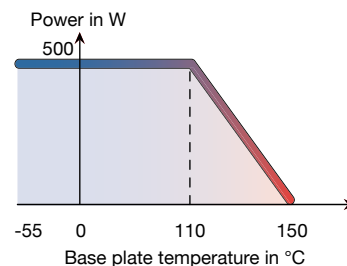


Chip Terminations



Substrate
Resistive film
Protection film
Contacts finition
Size

BeO
Thick film
Epoxy
PtAg
5050



Dimensions in mm

[Return to Search by Part Number](#)

P/N	Frequency (GHz)	Power (W)	Impedance ($\Omega \pm 5\%$)	Max VSWR
43-0291	4	500	50	1.20

mm	inch
1.5	0.059
3.2	0.126
12.7	0.50



Search by Part Number

Part Number	Pages
40-0234	B16
40-0286	B19
40-0287	B19
40-0316Y	B18
40-0327Y	B18
40-0351Y	B5
43-0078Y	B11
43-0212	B25
43-0218	B22
43-0264	B7
43-0275	B8
43-0284	B24
43-0291	B26
43-0333	B4
43-0351	B6
45-0005Y	B15
45-0006Y	B9
45-0013Y	B20
45-0015Y	B23
45-0036Y	B17
45-0037Y	B17
45-0041Y	B14
45-0045Y	B21
45-0050Y	B14
45-0059Y	B23
45-0072Y	B12
45-0078Y	B10
45-0079Y	B13
45-0183Y	B3
47-0212	B25
47-0218	B22
48-0078	B11
48-0333	B4
48-0351	B6

Chip Terminations

