

EPOXY ABSORBER

AE 80

AE 80 is made of epoxy resin and a magnetic load and is used as:

- Absorbing load for termination in wave guides, coaxial cables or microstrips;
- Attenuator;
- Prevention of RF leakages.



ELECTROMAGNETIC FEATURES

freq (GHz)	'E'	'E''	'M'	'M''	tan δ e	tan δ m	Z/Z0
0,1	12,489	0,370	4,288	0,598	0,030	0,140	0,589
0,15	12,403	0,367	4,090	0,668	0,030	0,163	0,578
0,2	12,342	0,365	3,949	0,718	0,030	0,182	0,570
0,25	12,295	0,363	3,840	0,756	0,030	0,197	0,564
0,3	12,257	0,361	3,751	0,788	0,029	0,210	0,559
0,4	12,196	0,359	3,610	0,837	0,029	0,232	0,551
0,5	12,149	0,357	3,501	0,876	0,029	0,250	0,545
0,6	12,110	0,356	3,412	0,907	0,029	0,266	0,540
0,7	12,077	0,355	3,337	0,934	0,029	0,280	0,536
0,8	12,049	0,353	3,272	0,957	0,029	0,292	0,532
0,9	12,024	0,352	3,214	0,977	0,029	0,304	0,528
1	12,002	0,352	3,163	0,995	0,029	0,315	0,525
1,5	11,916	0,348	2,965	1,065	0,029	0,359	0,514
2	11,855	0,346	2,709	1,115	0,029	0,411	0,497
2,5	11,808	0,344	2,519	1,153	0,029	0,458	0,484
3	11,770	0,343	2,363	1,185	0,029	0,501	0,474
4	11,709	0,340	2,117	1,168	0,029	0,552	0,454
5	11,662	0,338	1,927	1,132	0,029	0,588	0,438
6	11,623	0,337	1,771	1,103	0,029	0,623	0,424
7	11,591	0,336	1,639	1,079	0,029	0,658	0,411
8	11,562	0,335	1,525	1,057	0,029	0,693	0,401
9	11,538	0,334	1,425	1,039	0,029	0,729	0,391
10	11,515	0,333	1,335	1,022	0,029	0,766	0,382
15	11,430	0,329	0,988	0,957	0,029	0,968	0,347
20	11,369	0,327	0,743	0,911	0,029	1,227	0,322

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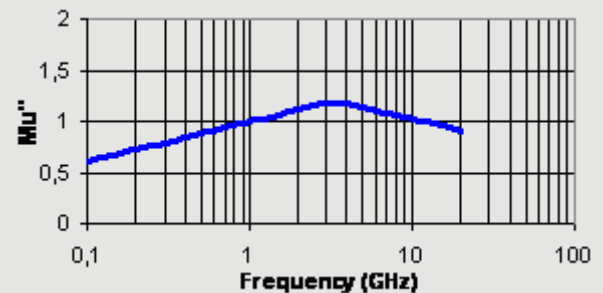
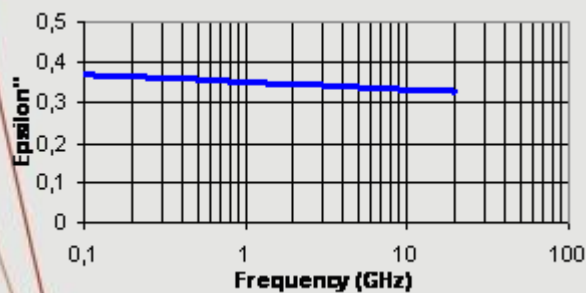
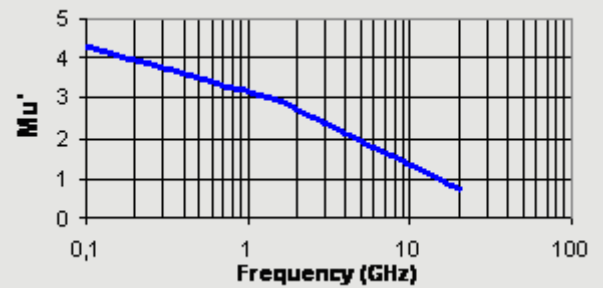
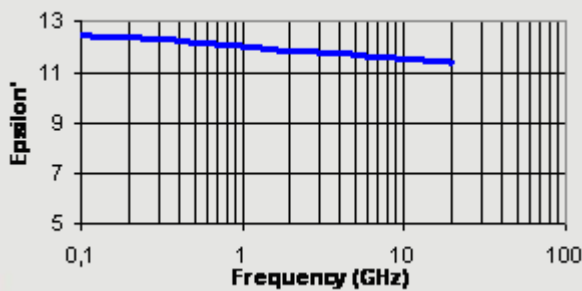
MAIN CHARACTERISTICS

- **Matrix:** Epoxy resin
- **Color:** grey
- **Load:** Magnetic powder
- **Density:** 3.6



MAXIMUM ADMISSIBLE TEMPERATURE

- 120°C



SHAPES

Tiles: 300 X 300 mm - Thickness: 3 - 4 - 5 - 6 - 8 - 10 - 12 - 16 mm
200 X 200 mm - Thickness: 3 - 4 - 5 - 6 - 8 - 10 - 12 - 16 mm

Cylindrical rods: Length: 300 mm - Diameter: 6 - 8 - 10 - 16 - 18 - 20 mm

Other shapes on request: cones, pyramids.....

SIEPEL can manufacture parts according to your specific requirements.

These data are the result of tests performed in our laboratory. The use of the material and the performance specifications are the entire responsibility of the users who should ensure that the material is suitable for their purposes