

# EPOXY ABSORBER

## AE HTS 80

### ELECTROMAGNETIC FEATURES

AE HTS 80 is a high temperature absorber composed of epoxy resin and a magnetic load and is used as:

- Absorbing load for wave guides endings, coaxial cables or microstrips;
- Attenuator;
- Absorbers to prevent HF leaks...



freq (GHz)	Eps'	Eps''	Mu'	Mu''	tan delta e	tan delta m	Z/Z0
0.1	11.548	0.332	4.481	0.560	0.029	0.125	0.625
0.15	11.547	0.332	4.446	0.560	0.029	0.126	0.623
0.2	11.546	0.332	4.410	0.565	0.029	0.128	0.620
0.25	11.545	0.332	4.375	0.595	0.029	0.136	0.618
0.3	11.544	0.332	4.334	0.630	0.029	0.145	0.616
0.4	11.542	0.332	4.265	0.690	0.029	0.162	0.612
0.5	11.540	0.332	4.190	0.755	0.029	0.180	0.607
0.6	11.538	0.332	4.120	0.815	0.029	0.198	0.603
0.7	11.536	0.332	4.045	0.880	0.029	0.218	0.599
0.8	11.534	0.332	3.976	0.940	0.029	0.237	0.595
0.9	11.532	0.332	3.901	1.005	0.029	0.258	0.591
1	11.530	0.332	3.831	1.065	0.029	0.278	0.587
1.5	11.520	0.332	3.485	1.300	0.029	0.373	0.568
2	11.511	0.332	3.100	1.395	0.029	0.450	0.543
2.5	11.501	0.332	2.800	1.390	0.029	0.496	0.521
3	11.491	0.332	2.625	1.390	0.029	0.530	0.508
4	11.471	0.332	2.345	1.375	0.029	0.586	0.487
5	11.451	0.332	2.130	1.343	0.029	0.631	0.469
6	11.434	0.332	1.955	1.317	0.029	0.674	0.454
7	11.414	0.332	1.795	1.286	0.029	0.716	0.440
8	11.394	0.332	1.695	1.254	0.029	0.740	0.430
9	11.374	0.332	1.555	1.223	0.029	0.786	0.417
10	11.354	0.332	1.490	1.191	0.029	0.799	0.410
15	11.258	0.332	1.110	1.039	0.029	0.936	0.367
20	11.198	0.332	0.973	0.945	0.030	0.971	0.348

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## MAIN CHARACTERISTICS

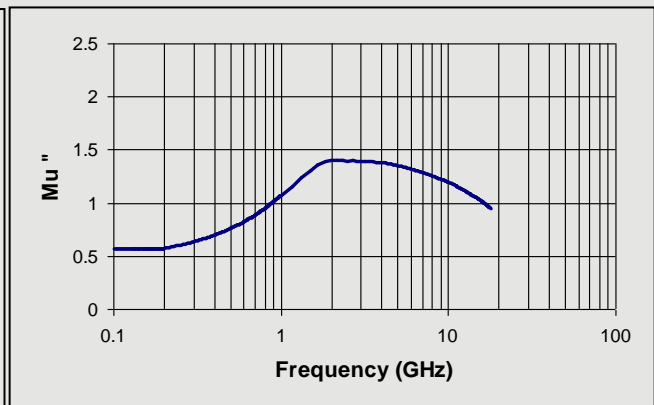
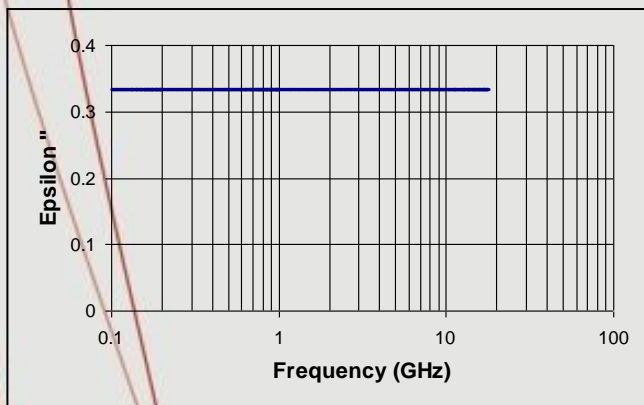
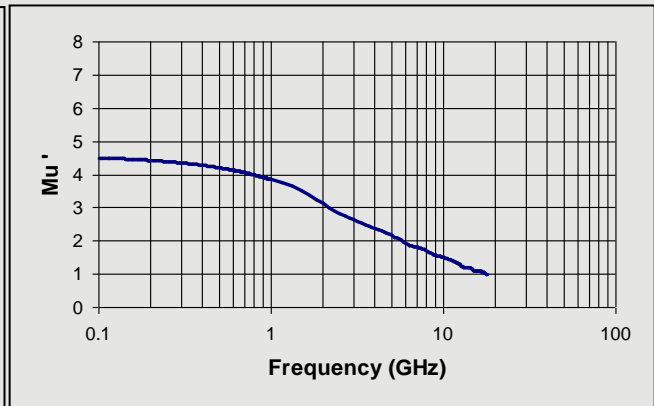
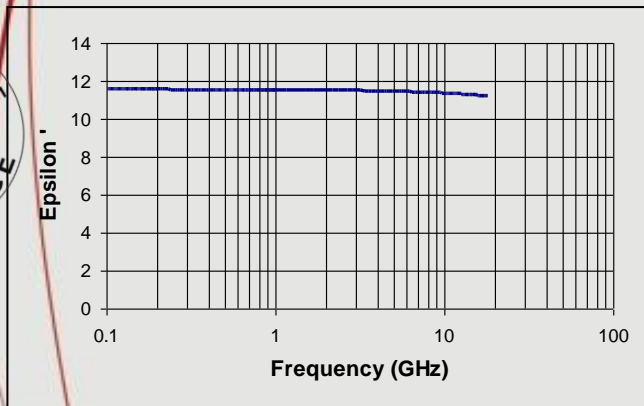
- **Matrix:** Epoxy resin
- **Load:** Magnetic powder
- **Color:** grey
- **Density:** 3.6

## MAXIMUM ADMISSIBLE TEMPERATURE

- 170°C



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## 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