

ABZORB - MICROWAVE ABSORBING ELASTOMERS

1950 RANGE
ABZORB - MICROWAVE
ABSORBING ELASTOMERS

EMI



DESCRIPTION:

Arka Technologies' absorbing elastomers are thin, and are a composite of high quality silicone and magnetically loaded particles. They are manufactured to strict formulations, yielding materials that meet nearly every military and electronic requirement. Arka Technologies stocks a wide range of absorbent materials which will allow the user to select the best suited compound for their application.

APPLICATIONS:

The material is ideal for use in microwave enclosures. They can also be used with board level shielding to enhance the shielding effectiveness. Frequencies from 2-35 GHz

PART NUMBER SYSTEM:

The full part number would be structured as below.

Part No XXXX:- XXXX-PSA-GP

Example: Silicone elastomers 0.9mm thick with PSA custom die cut

Part No: 1950-1013-PSA

Second part of number is taken from thickness table.

PSA:- Pressure sensitive adhesive

GP:- Ground Plane

Part No.	Description
1950-0xxx	Standard
1950-1xxx	Custom

Part No.	Material
801	Silicone
802	Nitrile
803	Natural Rubber
804	Urethane
805	Neoprene

Part No.	Thickness mm	Frequency GHz	dB Loss	Option 1	Option 2
1013	0.9	24-35	-15	PSA	GP
1014	1	18-16	-20	PSA	GP
1015	1.1	15	-20	PSA	GP
1016	1.3	13	-20	PSA	GP
1017	1.4	11.2	-20	PSA	GP
1018	1.5	9.5-9.7	-20	PSA	GP
1019	1.6	9.4-10	-20	PSA	GP
1020	1.7	7.7-10	-20	PSA	GP
1021	1.8	8-8.4	-20	PSA	GP
1022	1.9	5.6-9.1	-20	PSA	GP
1023	2	6.175	-20	PSA	GP
1024	2.1	6	-20	PSA	GP
1025	2.2	6	-20	PSA	GP
1026	2.4	4.5-5.2	-20	PSA	GP
1027	2.5	2.4	-20	PSA	GP
1028	2.7	2.1	-20	PSA	GP
1029	2.9	2.1-3.9	-20	PSA	GP