

5795 - Rubber flat narrowband absorber

Our rubber flat narrowband absorbers (also known as Pinpoint types, microwave absorbers) attenuate 10-20 dB at one particular frequency. These narrow band absorbers are mainly designed for UHF (300MHz ~ 3GHz range) and SHF (3~30GHz) frequency range.



Rubber flat narrowband absorbers

Area's of application

- For radar signature management by covering the ship mast.
- To avoid the ground reflections at open area test sites (OATS).
- To eliminate interferences and unnecessary reflection.
- To avoid the cross talk between transmitter and receiver antenna.

Features

- Frequency: 1-40GHz
- Material thickness: it is determined by resonant frequency (applied center frequency)
- Temperature resistance characteristics: -50°C - 150°C
- Environment: unlimited
- Power handing capacity: above 2kW/sqm
- Absorption properties: resonance point attenuation -18dB

Application

5795series Rubber flat narrowband absorber is suitable for the occasions that require thin sheet and without broadband; when used, it shall have metal substrate, and it shall be close pasted; it is mainly applied for the reflecting of metal components inside the radar cabin, the substrate inside the radar cabin can help to suppress electromagnetic interference and etc

Product specification and performance

Part number	Resonant frequency GHz	Material thickness mm	Unit weight Kg/m ²	Reflectivity under vertical incidence -dB
5795-0.7	40	0.7	2	18
5795-1.3	15	1.3	3.5	18
5795-1.8	10	1.8	5.2	18
5795-2.5	7	2.5	7	18
5795-3.0	5	3.0	8	18
5795-6.8	2	6.8	17	18

These values are measured under laboratory conditions. In your situation results may differ, please read our Guarantee

Please note: it can be customized as per request and cut in every shape according to your CAD drawing.

Series	Height (mm)
5795	<input type="text"/>

Specify the height of the desired absorber in mm