



Laird™ Eccosorb™ JW2038

Magnetically loaded, elastomeric microwave absorber

Description

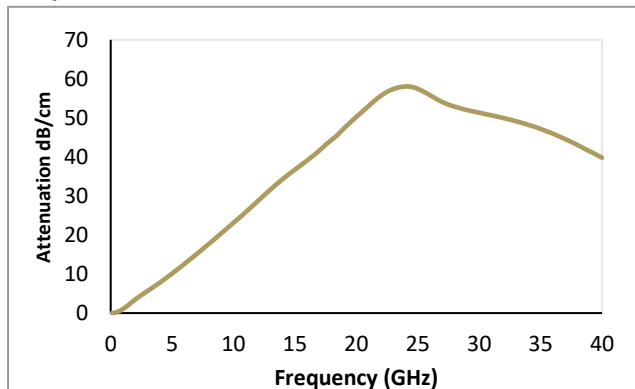
Laird™ Eccosorb™ JW2038 is a silicone based magnetic loaded absorber sheet, engineered to minimize or potentially eliminate surface currents, cavity resonance and coupling across 20GHz to 38GHz frequency range.

By lowering the quality factor (Q) of cavities, Laird™ Eccosorb™ JW2038 enhances the operation of microwave devices. Its tighter thickness tolerance control can also help to achieve -8dB reflectivity within the designated frequency range.

Typical properties	Test method	Typical value
Effective frequency range		20 to 38GHz
Resin		Silicone
Color		Grey
Hardness	ASTM D2240	80 shore A
Tensile strength	ASTM D412	3.8 MPa
Elongation @ break	ASTM D412	130%
Thickness without pressure sensitive adhesive (PSA)		0.711mm ±0.05mm
Working temperature		-40 to 125°C
Volume resistivity	ASTM D257	1x10 ¹³ Ohm.cm
Outgassing (%TML/%CVCM)	ASTM E595	0.21/0.06
Flame retardance	UL 94	V0

Note: Data for design engineer guidance only. Observed performance varies in application. Engineers are reminded to verify the material in application.

Graph 1: Attenuation



Features and benefits

- Fine-tuned parameter for good reflectivity at 20GHz to 38GHz
- High thermal stability
- Electrically non-conductive
- Good mechanical strength
- RoHS compliant

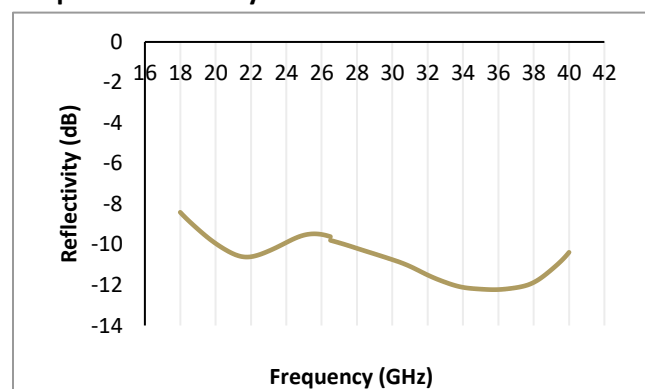
Applications

- Data center
- Microwave transmitter/receivers
- Automotive
- Aerospace and defense

Availability

- Standard sheet size is 305 x 305mm (12"x12"). Part number: A19013-028
- It can be supplied with or without PSA.
- Other thicknesses, sizes, and customer-specified shapes can be available upon request.

Graph 2: Reflectivity



Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

Health and environmental information

To support customers in their product safety needs, Qnity has an extensive product stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area. For further information, please see our website, www.qnityelectronics.com, or consult your local Qnity representative.

For more information on Laird™ Eccosorb™ JW2038 absorber sheet or other Qnity products, please visit our website, www.qnityelectronics.com.

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