Technology Request

Looking for a provider able to produce resistive lines and films on electronic circuits

Summary

A private company from Spain that develops electronic instruments is looking for a provider able to produce resistive lines and resistive films to be used in electronic circuits. Companies and organizations for a manufacturing agreement or a technical cooperation agreement are sought.

Expiration Date	17 February 2017
Reference	TRES20160112001
Profile link	

Details

Description

A Spanish SME is looking for an organisation able to produce resistive lines and resistive films to be used in electronic circuits.

The resistive lines should have a resistance of around 350 Ohm/sq and a permitivity lower than 8 (the lower the better). The resistive film should have a resistance of around 12 Ohm/sq and a permitivity of at least 10 (the higher the better).

It should have the technical capabilities to deposit the right materials on a substrate, meeting a defined width and thickness with great accuracy.

Mostly resistive lines are made of carbon ink and resistive films are made of tantalum nitride but any alternative material or technology that meets and/or improves the requirements will be considered.

This organization should have the technical capabilities to deposit the right materials meeting a defined width and thickness with great accuracy. The substrate needed is not decided yet but we can see 2 main options: FR4 or glass.

A manufacturing agreement or a technical cooperation agreement which would contribute to the improvement of the final product is sought.

Technical Specification or Expertise Sought

The resistive lines should have a resistance of around 350 Ohm/sq and a permitivity lower than 8 (the lower the better). The resistive film should have a resistance of around 12 Ohm/sq and a permitivity of at least 10 (the higher the better).

Typical resistive lines are made with carbon ink and typical resistive films are made with tantalum nitride. However, any alternative material or technology meeting the requirements will be considered.

Stage of Development

Concept stage

Keywords

Technology

01002005	High Frequency Technology, Microwaves
01002010	Printed circuits and integrated circuits
02007010	Metals and Alloys
02007022	Conductive materials

Market

03007003	Other analytical and scientific instrumentation

NACE

C.26.5.1	Manufacture of instruments and appliances for measuring, testing and navigation

Network Contact

Issuing Partner

ASTER - SOCIETA CONSORTILE PER AZIONI

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Open for EOI : Yes

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
French
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

A manufacturing or a technical cooperation agreement with a provider and/or manufacturer of resistive lines and films is sought. The partner should be able to develop and manufacture the lines and films and contribute with its expertise to the improvement of the final product.

- Type of partner sought: Industry or research center, with the right means to produce the lines and films. There is no need for a big production capacity, series are short (10 to 100 units).

- Specific area of activity of the partner: PCB manufacturer, research organization

- Task to be performed by the partner sought: Advise on materials and technology, produce the resistive lines and films.

It is important to have the right technological means to be able to deposit the right materials on a substrate, meeting a defined width and thickness with great accuracy.

Type of Partnership Considered

Manufacturing agreement
Technical cooperation agreement