



Co-operation profile details from Enterprise Europe SEIMED

TRES20130729001 - Power supply for low power lighting application Technology collaboration REQUEST

Abstract

A Basque company focused on technical lighting applications is looking for a low power supply for integration into their products. The solution should be universal input (AC/DC) with PFC and 12Vdc output (power 6W and 15W) with long life expectancy at 60°C and suitable for lighting application. The power supply is requested to increase energy consumption efficiency of the luminaries and more global lighting solutions inside the application scope. The company is looking for a supply agreement or

Description

Since the standard driver units available in the market do not match their current technical expectations, the objective of the company is to get a high quality power supply for low power lighting applications with a very high efficiency. In addition, the final solution has to be suitable for a worldwide appliance. The company is looking for a partner with manufacturing capabilities or design house to provide industrial prototypes. Finally, the Basque company is also looking for a very cost effective final integrated product due to the specificities of the targeted market.

Target partner expertise sought:

- Type of partner sought: - AC input:
 - Universal: 85Vac - 265Vac 50/60Hz
 - PFC
 - No ground cable allowed
- DC output:
 - DC output voltage 12Vdc±10%
 - Maximum DC output power: 6W and 15W
- Efficiency:
 - >85% at full output power
 - >60% at minimum output power
- Electrical insulation:
 - AC to DC insulation strength: 3000V 50Hz 1 min.
 - No capacitors (Y1, Y2, etc) allowed between AC and DC
- Maximum working temperature: 80°C.
- PWM switching frequencies out of PLC CENELEC band
- Applicable standards: lighting
- Dimensions: 65mm(L) x 27mm(W) x 20mm(H)
- Specific area of activity of the partner: - Type of partner sought: It has to be from the power electronics sector. More specifically, the company is looking for an electronics manufacturer or a design house.
- Task to be performed by the partner sought: Tasks could be either design the technology solution with the above specifications or perform the design and manufacturing as a turnkey solution (this option is preferred).
- Task to be performed by the partner sought:

Key information:

Country of origin: SPAIN

Listed under: Electrónica \ Manufactura Industrial \ Otras Tecnologías Industriales \ Energía \ Industria

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