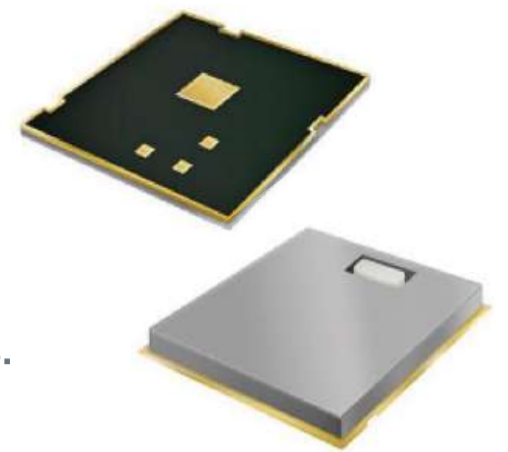


mmWave Module

Murata 1VM - 60 GHz In-Cabin Radar

mmWave radar sensor modules are ideal for precisely detecting distance, angle of arrival and velocity between target objects in harsh environments.



Key Features / Advantageous

- 1 Smaller size**
- 2 Antenna support optimized for sensor position**
- 3 Better antenna characteristic compared to TI 6843AOP**
- 4 Enclosure design support based on simulation and evaluation**
- 5 Modular regulatory certification support**

Key Applications / Use Cases



Child Presence Detection



People Occupancy Detection

- Seatbelt reminder
- Smart airbag control

Products & Specifications

Part Number	
Part Number	LBVA0ZZ1VM-*** (***) indicates a three-digit number.)
Chipset	
Radar IC	Texas Instruments AWR6843 (DSP integrated)
Features	
Frequency	60 to 64GHz FMCW
Antenna	Build in Patch Antennas
Interface	UART / CAN
Dimensions L x W x H (mm)	27.0 x 25.0 x TBD
Operating Temp. (deg C)	-40 to TBD
Current Consumption *1	Avg. : 350mA, Peak: 1.0A

Others

Murata Partners:



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