



# HMS Series Laminated Tag

## HMS138V

### FEATURES

Laminated fiberglass structure is durable and economical.

Large antenna area for long operating range.

736 bytes of EEPROM memory

Epoxy-coated for water resistance

Reusable for 100k+ cycles

### FOR USE WITH

Cobalt HF™ Series  
HMS Series



Escort Memory Systems is the industry leader in high performance, modular RFID systems for use in harsh, industrial environments. The HMS range of RFID transponders (tags) is compatible with EMS' state-of-the art CobaltHF™ line of controller/antennas as well as the popular HMS controller/antenna series.

And, EMS is well-known for products that support a wide range of industrial communication protocols, making them ideal for integrators and endusers who face demanding real-world applications.

The HMS138V is an economical tag design that offers a high degree of protection from moisture, rough handling, and heat. The large surface area of the tag supports longer read/write ranges than other tags in its class. All HMS tags feature a high memory size of 736 bytes to support a "database on board" for your process data storage needs.

### SPECIFICATIONS

Dimensions:  
38mm / 1.5 in. dia.  
2mm / 0.08 in thick.

Operating Frequency:  
13.56 MHz HF

International Standards:  
Based on ISO14443A.

Operating Temperature Range:  
-20° to 85°C (-4° to 185°F).

Storage Temperature Range:  
-40° to 85°C (-40° to 185°F).

Protection Class:  
IP66.

Power:  
Passive device, receives power by RFID.

Read/Write Ranges,  
Selected Antennas, mm/in:  
HF0405-XXX-01 up to 40/1.5  
HF-ANT1010 up to 114/4.5  
HF-ANT2020 up to 165/6.5  
HF-ANT3030 up to 149/5.8.

### MECHANICAL DIMENSIONS (mm/in)

