



**ZEBRA**

# Smartrac DogBone UCODE 8 Inlay

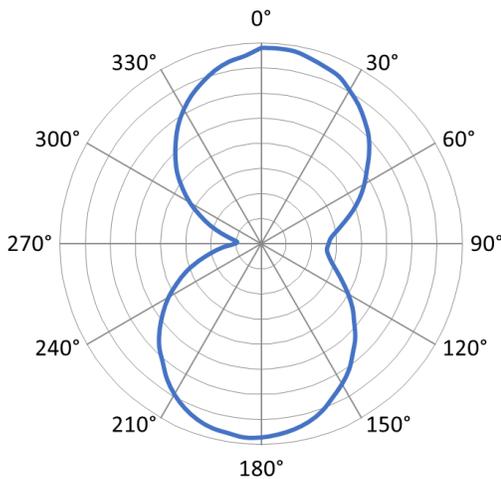
## FEATURES

- High sensitivity: read range up to 19m in free space
- Optimized to be read from nearly any angle
- Performs well when placed on or near challenging materials (i.e. pallets, freight)
- Pre-tested with Zebra printers and readers
- Applications: Case / Pallet, Freight, Assets
- Global item – works with FCC and ETSI frequencies
- Inlay performance has been tested and profiled by Auburn University RFID Lab and has been added to the ARC Performance Data Library

## ADDITIONAL DETAILS

- IC: NXP UCODE 8
- Read Sensitivity: -23dBm
- Write Sensitivity: -18dBm
- EPC memory: 128 bit
- User memory: N/A
- TID: 96 bit factory locked (48 bit unique)
- EPC Gen2v2
- Inlay size – 94 x 24mm

## ORIENTATION SENSITIVITY



## THEORETICAL \* READ RANGES ON VARIOUS SURFACES (m)

Material	ETSI (865-868 MHz)	FCC (902-928 MHz)
Air	19	16
Cardboard	14	12
Fiberglass	11	12
Glass	13	15
PTFE	14	12
Polyacetyl	12	11
PVC	12	12
Rubber	11	12

\*Theoretical read range data is meant to be directional. Actual performance will depend on your application and environment. Testing is recommended.

## SUGGESTED APPLICATIONS

- RFID labeling 
- Case/pallet labeling 
- Transportation & Logistics 
- Warehouse labeling 





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