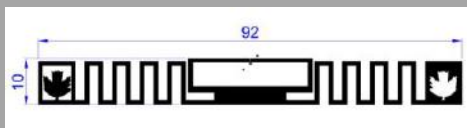


Tracotech “TA11 TREETRACE” Inlay Produced by Trace-Tech Id Solutions S.L. Ucode G2XL/M for Far-Field Pallet and Case Tagging



TA11 Inlay (not actual size)

Overview

The TA11 far field antenna is a design with the length of 95mm, and it is designed for the use on low detuning material as well as on highly detuning material ($\epsilon_r < 8$) The antenna material can be aluminium or copper. The design of the loop slightly changes if it is optimized for copper.

The TA11 can be manufactured with two different ICs. The UCODE G2XM and the G2XL:

UCODE Portfolio	UCODE G2XM	UCODE G2XL
Standard	EPCglobal 1.0.9 EPCglobal 1.1.0 EPCglobal 1.2.0	EPCglobal 1.0.9 EPCglobal 1.1.0 EPCglobal 1.2.0
User Memory	512 bit	-
EPC	240 bit	240 bit
TID	64 bit Incl. 32 bit serial #	64 bit Incl. 32 bit serial #
Password	32 bit access 32 bit kill	32 bit access 32 bit kill
Block size	55 blocks á 2 Byte	23 blocks á 2 Byte
Custom Commands	EAS Alarm Read Protect Calibrate	EAS Alarm Read Protect Calibrate
Delivery Option	Sawn Wafer FCS Strap (Al/Cu) TSSOP8	Sawn Wafer FCS Strap (Al/Cu) TSSOP8

Environmental Specifications

Operating Temperature Range -40° C to +85° C at 40-80% RH

Storage Temperature -40° C to +85° C at 40-80% RH

Dry Inlay Specifications

Substrate	PET
Metal Layer	Aluminium 99.8% pure
Antenna Dimensions	92 mm (3.68") length, 10 mm (0.4") height
Pitch	18,8 mm (0.75")
Overall Inlay Thickness with IC	Max 210 µm
Bending Diameter	≥ 15mm, tension less than 6 N (1.35 lbf)
Packaging Information	101.6 mm (4") wide web 76.2 mm (3") core 406.4 mm (16") maximum roll diameter



Features

- Excellent read in both near-field and far-field applications
- Applications include case and item tagging; relatively • orientation insensitive for excellent warehouse performance
- Aluminum inlay provides excellent performance at lower costs than silver ink or copper; RoHS compliant