

## DIPOLE BLAZE 12MM +300°C

### PLASTIC CARRIER FOR GLASS TRANSPONDER 12mm

This Transponder housings can be applied for various applications where robustness and flexibility of mounting position is required. Special design and snap-in mechanism offering a maximum of protection for 12 mm x 2,1 mm diameter glass transponder and an easy way to insert the transponder. These transponder housings can be easily attached to hooks of slaughterhouse for pigs

Material: PPA.

Temperature: -25°C to +300°C (less 8 seconds)

Application: Slaughterhouse hooks

PPA As a specific type of aromatic polyamide, polyphthalamides have many advantages over traditional polyamide nylons. These include improved chemical and high temperature resistance, and low moisture absorbance. PPA is also stiff and creep resistant.



PARAMETER	Glass Transponder 12mm
Functionality	Read only
Memory (bits)	80 (64-bit unique ID + 16-bit BCC)
Memory (pages)	1
Resonance frequency	134.6 kHz
Modulation	FSK (frequency shift keying) 134.2 kHz and 124.2 kHz
Transmission principle	HDX (half duplex)
Power source	Powered from the reader signal (battery-less)
Typical reading time	70 ms
Case material	Glass
Protection glass	Hermetically sealed
EMC	Programmed code is not affected by natural electromagnetic interference or x-rays
Signal penetration	Transponder can be read through almost all nonmetallic material
Mechanical shock	IEC 60068-2-32 free-fall drop test, 20 times from 1.5-m height

## DIPOLE BALZE 12MM +100°C

### PLASTIC CARRIER FOR GLASS TRANSPONDER 12mm

This Transponder housings can be applied for various applications where robustness and flexibility of mounting position is required. Special design and snap-in mechanism offering a maximum of protection for 12 mm x 2,1 mm diameter glass transponder and an easy way to insert the transponder. These transponder housings can be easily attached to any objects, especially metallic surfaces.

Material: Polyamide (PA6) U.V.  
 Temperature: -40°C to 100°C (short time +160°C)



PARAMETER	Glass Transponder 12mm
Functionality	Read only
Memory (bits)	80 (64-bit unique ID + 16-bit BCC)
Memory (pages)	1
Resonance frequency	134.6 kHz
Modulation	FSK (frequency shift keying) 134.2 kHz and 124.2 kHz
Transmission principle	HDX (half duplex)
Power source	Powered from the reader signal (battery-less)
Dimension	50x17x8mm
Typical reading time	70 ms
Case material	Glass
Protection glass	Hermetically sealed
EMC	Programmed code is not affected by natural electromagnetic interference or x-rays
Signal penetration	Transponder can be read through almost all nonmetallic material
Mechanical shock	IEC 60068-2-32 free-fall drop test, 20 times from 1.5-m height

## DIPOLE BLAZE 12MM -60°C

### PLASTIC CARRIER FOR GLASS TRANSPONDER 12mm

This Transponder housings can be applied for various applications where robustness and flexibility of mounting position is required. Special design and snap-in mechanism offering a maximum of protection for 12 mm x 2,1 mm diameter glass transponder and an easy way to insert the transponder. These transponder housings can be easily attached to deep frozen at sea

Material: PBT.

Temperature: -60°C to +90°C

Application: Deep-frozen metallic trays



PARAMETER	Glass Transponder 12mm
Functionality	Read only
Memory (bits)	80 (64-bit unique ID + 16-bit BCC)
Memory (pages)	1
Resonance frequency	134.6 kHz
Modulation	FSK (frequency shift keying) 134.2 kHz and 124.2 kHz
Transmission principle	HDX (half duplex)
Power source	Powered from the reader signal (battery-less)
Typical reading time	70 ms
Case material	Glass
Protection glass	Hermetically sealed
EMC	Programmed code is not affected by natural electromagnetic interference or x-rays
Signal penetration	Transponder can be read through almost all nonmetallic material
Mechanical shock	IEC 60068-2-32 free-fall drop test, 20 times from 1.5-m height