PT5780/PT5785 Permissions Tags

Features

▶ PT5780 configures AP4118 Rail Tag Programmers used for 902 to 928 MHz frequency range rail tags

▶ PT5785 configures AP4118 Rail Tag Programmers used for 860 to 880 MHz frequency range rail tags

▶ Secure tag data can be used by AP4118 Rail Tag Programmer only

▶ Can be used once or multiple times where scheduled reconfigurations are required

▶ Factory programmed to specific customer requirements

▶ Uses Super eGo® (SeGo) operation mode

▶ Factory-sealed case

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The PT5780 and PT5785 Permissions Tags are used to configure the AP4118 Rail Tag Programmer. Multiple programmer parameters, such as programmer control number, serial number, and tag programming certification expiration date are transferred from the permissions tag to the AP4118 via the RF link. The AP4118 validates the permissions tag data and, if valid, stores the data in the programmer's non-volatile memory.

The PT5780 tag configures an AP4118 programmer to program 902 to 928 MHz tags. The PT5785 configures an AP4118 programmer to program 860 to 880 MHz tags.

A permissions tag may be used once during the lifetime of the AP4118 or may be required for scheduled reconfiguration. In some cases, multiple permissions tags may be required at a single site, enabling tag programming for multiple owners or to support multiple configurations.

The PT5780 and PT5785 tags use the SeGo mode of operation. This prevents accidental misapplication of the permissions tag within the rail infrastructure, which includes a large number of ATA-mode reader systems.

PT5780 and PT5785 permissions tags are used exclusively to configure the AP4118 with factory-programmed information specific to each customer; user programming applications cannot modify the tag data.

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PT5780/PT5785 Permissions Tags

COMMUNICATIONS

Frequency Range[1]
902 to 928 MHz

1. Both PT5780 and PT5785 permissions tags operate in the 902 to 928 MHz frequency range, but the PT5785 Permissions Tag configures an AP4118 programmer that is used to program tags that operate in the 860 to 880 MHz frequency range.

Polarization
Parallel with longer side

SOFTWARE FEATURES

Memory
The tag is factory-programmed only as determined by specific customer requirements.

Security
The PT5780 and PT5785 are used exclusively to configure the AP4118 with factory-programmed information specific to each customer; user programming applications cannot modify the tag data.

POWER REQUIREMENTS

Power Source
Beam-powered

LIFE EXPECTANCY

Service Life
Unlimited

PHYSICAL

Dimensions
Size: 9.4 x 2.4 x 0.8 in. (23.9 x 6.1 x 2 cm)

Weight: 6.2 oz (175 g)

Case Material
Factory-sealed, red case

ENVIRONMENTAL

Operating Temperature
32°F to +122°F (0°C to +50°C)

Storage Temperature
-4°F to +185°F (-20°C to +85°C)

Humidity
95% relative humidity, noncondensing between 77°F to +122°F (25°C to +50°C)

Vibration
1.04 G_{rms}, 5-500 Hz

Shock, Normal Environment
4 G, half-sine pulse, 11 ms duration, 3 axes

OPTIONS

Factory Programming
PT5780 Permissions Tags are programmed at the factory to customer specifications.

RELATED DOCUMENTATION

PT5780/PT5785 Permissions Tag Order Form

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