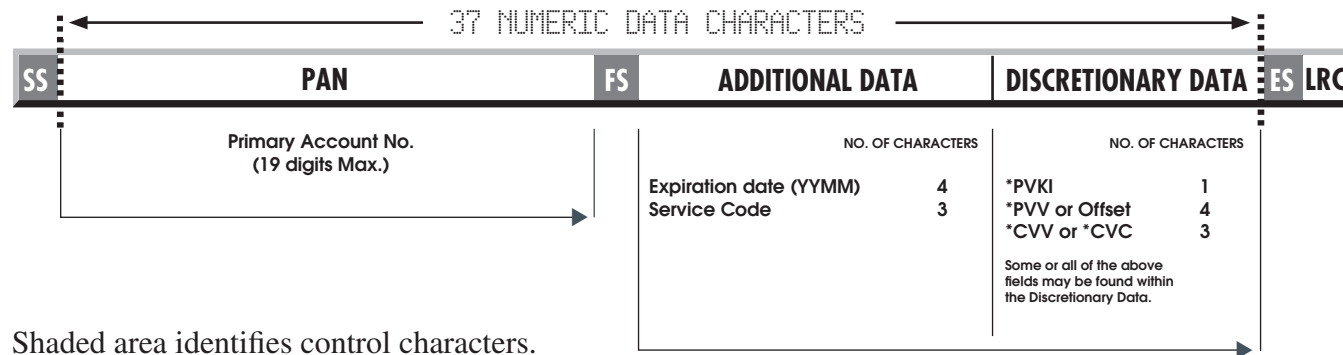


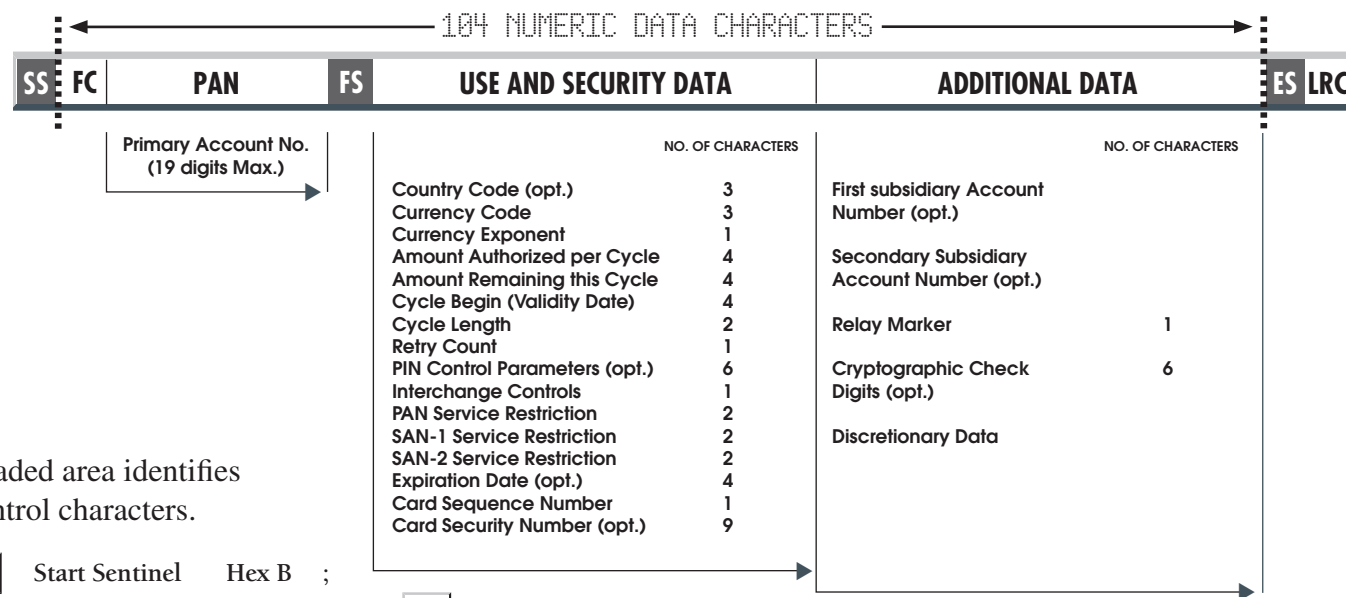
### Card Data Format - Track 2



Shaded area identifies control characters.

**SS** Start Sentinel Hex B ; **ES** End Sentinel Hex F ?  
**FS** Field Separator Hex D = **LRC** Longitudinal Redundancy Check character

### Card Data Format - Track 3 (ISO 4909)



Shaded area identifies control characters.

**SS** Start Sentinel Hex B ; **FC** Format Code (2 digits) A Field Separator (FS) must be encoded if an optional field is not used.  
**FS** Field Separator Hex D = **LRC** Longitudinal Redundancy Check character  
**ES** End Sentinel Hex F ?

The track formats used in this document are based on ISO Standards, however, other formats may be used. Contact your card issuer for your exact requirements.

## MAGTEK

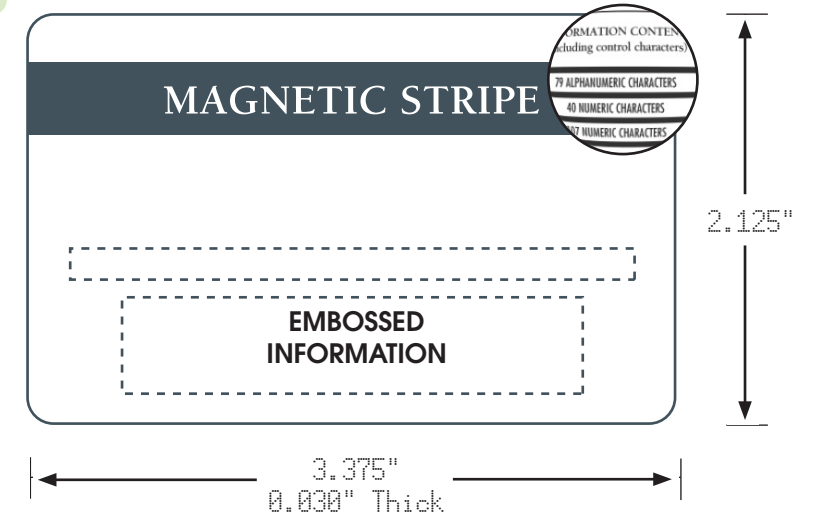
20725 S. Annalee Avenue  
 Carson, CA 90746  
 Phone: (310) 631-8602  
 Fax: (310) 631-3956

Internet: <http://www.magtek.com>

1-800-788-6835

### Dimensions - Financial Transaction Cards

- ISO 7810 Physical Characteristics of Credit Card Size Document
- 7811-1 Embossing
- 7811-2 Magnetic Stripe - Low Coercivity
- 7811-3 Location of Embossed Characters
- 7811-4 Location of Tracks 1 and 2
- 7811-5 Location of Track 3
- 7811-6 Magnetic Stripe - High Coercivity
- 7813 Financial Transaction Cards

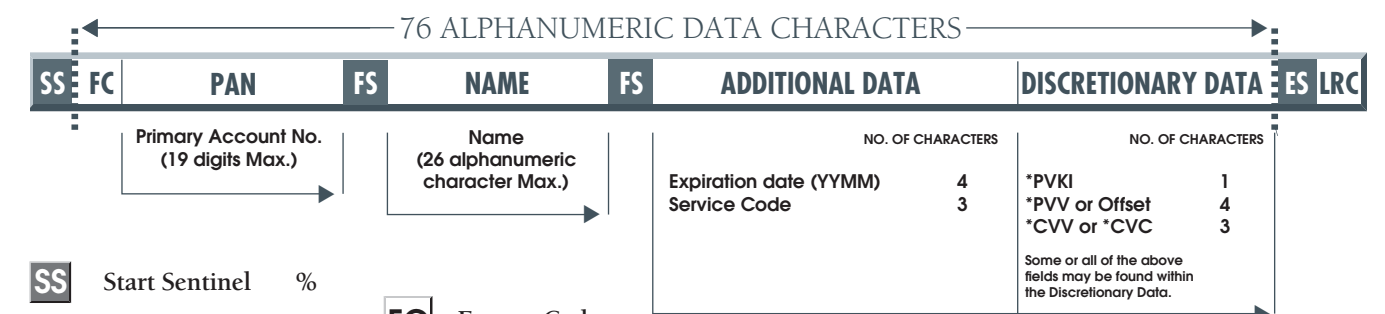


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### Magnetic Stripe Encoding - Financial Transaction Cards

Width	RECORDING DENSITY (bits per inch)	CHARACTER CONFIGURATION (including parity bit)	INFORMATION CONTENT (including control characters)
0.110" TRACK 1	IATA 210 BPI	7 BITS PER CHARACTER	79 ALPHANUMERIC CHARACTERS
0.110" TRACK 2	ABA 75 BPI	5 BITS PER CHARACTER	40 NUMERIC CHARACTERS
0.110" TRACK 3	THRIFT 210 BPI	5 BITS PER CHARACTER	107 NUMERIC CHARACTERS

### Card Data Format - Track 1



**SS** Start Sentinel % **FC** Format Code  
**FS** Field Separator ^ **LRC** Longitudinal Redundancy Check character  
**ES** End Sentinel ?

\*(PVKI) PIN Verification Key Indicator  
 \*(PVV) PIN Verification Value  
 \*(CVV) Card Verification Value  
 \*(CVC) Card Validation Code