

Pulse/DTMF dialler with redial**PCD3349/018****FEATURES**

- Pulse and DTMF dialling plus data transmission
- Redial (maximum 30 digits)
- Number of digits per call is infinite (FIFO register)
- Up to 80 repertory dial numbers of 20 digits (external RAM)
- Keyboard possibility for 8, 16 or 32 direct-accessible repertory numbers (16 one-touch or 32 two-touch)
- Function keys: store, recall, flash, Last Number Redial (LNR), access pause, tone, display, shift, hold, hook and monitor
- Flash or register recall
- Access pause generation and termination
- Automatic recognition of PABX digits (automatic pause insertion)
- Eight diode or strap functions:
 - mark-to-space ratio: 2:1 or 3:2
 - 4 flash time selections (100, 270, 540 or 650 ms)
 - access pause time (1.5/3 or 2.5/5 s for DTMF/pulse)
 - DTMF tone burst times (70 or 100 ms)
 - emergency call (yes or no)
 - pulse or DTMF dialling
 - number blocking for fixed predigits (yes or no)
- Music-on-hold using the on-board tone generator
- On-hook dialling
- Listening-in control
- Memory-card access (smart card)
- LCD control, 16 digits of 7 segments plus 9 labels
- Monitor function to display memory locations
- Clock, calendar and timer/counter function
- Number blocking
- Emergency call (hot line)
- On-chip power-on reset
- 2.5 to 6.0 V operating supply voltage
- 3.58 MHz crystal oscillator.

GENERAL DESCRIPTION

The PCD3349/018 is a single-chip CMOS dialler IC for telephone sets. It has two dialling modes; pulse dialling (PD) and dual tone multi-frequency (DTMF). Up to 80 number repertory pulse/DTMF dialling of 20 digits (by 4 x PCF8570 or 3 x PCF8570 + 1 x PCF8583, each for 20 numbers), part directly accessible and part two-touch via the numerical keyboard.

ORDERING INFORMATION

EXTENDED TYPE NUMBER	PACKAGE			
	PINS	PIN POSITION	MATERIAL	CODE
PCD3349P/018	28	DIL	plastic	SOT117
PCD3349T/018	28	SO28	plastic	SOT136A