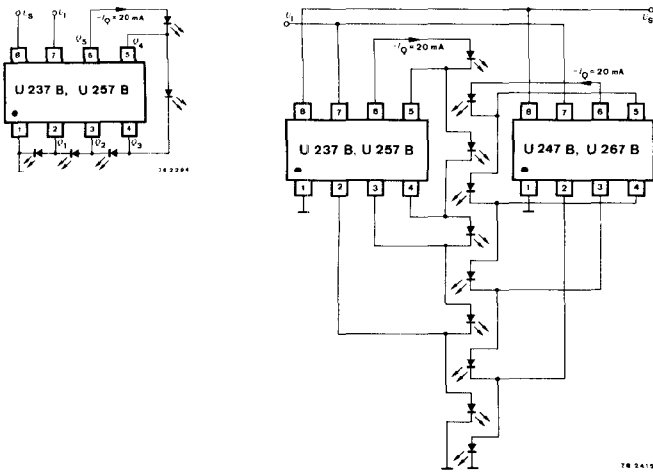


# Integrated Trigger, Sensor and remote control circuits

## U 237 B · U 247 B · U 257 B · U 267 B

Driver for LED displays with 5 or 10 diodes

Supply voltage range	Pin 8	$U_S$	12...25	V
Output current (in series)	Pin 6	$I_Q$	20	mA
Input threshold distance	Pin 7	$\Delta U_I$	$\leq \pm 30$	mV



### Features:

- Wide supply voltage range
- High LED current
- Low power dissipation due to series connection of LED's
- Different colour LED's can be connected arbitrary
- No peripheral components are necessary
- High input resistance
- Eligible between:
  - 5 LED's line with linear scale division with U 237 B or U 247 B
  - 5 LED's line with logarithmic scale division with U 257 B or U 267 B
  - 10 LED's line with linear scale division with U 237 B and U 247 B
  - 10 LED's line with logarithmic scale division with U 257 B and U 267 B

### Case:

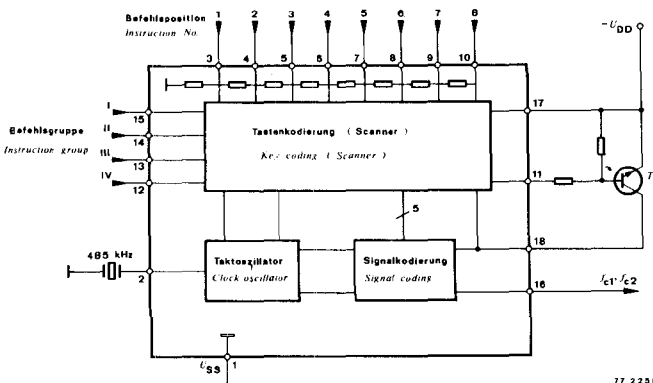
20 A 8 DIN 41 866  
 DIP 8-lead  
 Dimensions see page 60  
 Number 12

## U 321 M, U 318 M

IR remote control for TV receivers

### U 321 M – Senderschaltung

Supply voltage range	$U_S$	6,2...10	V
Quiescent supply current	$I_{SB}$	< 10	$\mu A$



### Features:

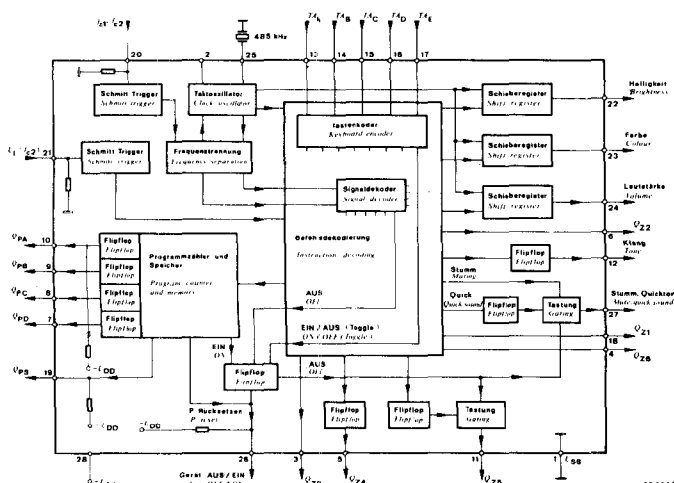
- 32 commands
- High transmission reliability by two carrier frequencies
- Minimum numbers of external components

### Case:

20 A 18 DIN 41 866  
 DIP 18-lead  
 Dimensions see page 60  
 Number 10

### U 318 M – Receiver

Supply voltage range	$-U_{DD}$	11...13	V
Supply current	$I_S$	20	mA



### Features:

- High transmission reliability by two carrier frequencies
- Integrated separation circuit for the two carriers
- Minimum number of external components

### Case:

20 B 28 DIN 41 866  
 DIP 28-lead  
 Dimensions see page 60  
 Number 10