

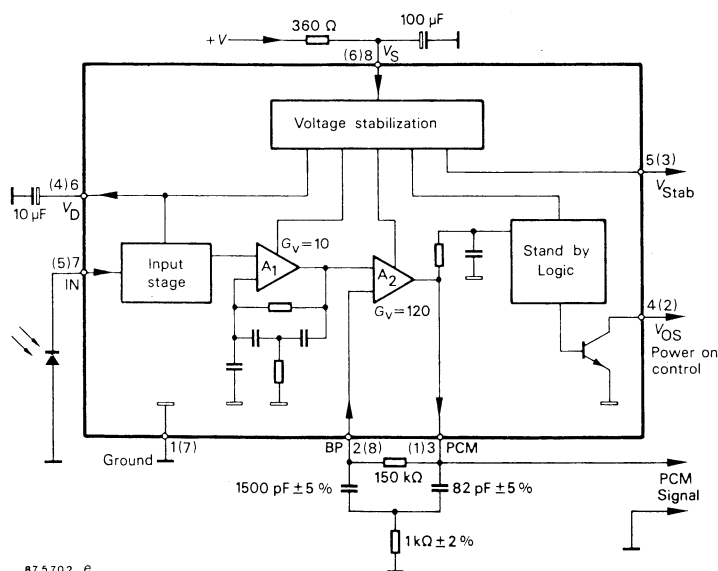
TV and VTR Applications – Remote Control

Survey – IR front end amplifier

	U 2501 B U 2502 B-FP	U 2507 B-FP	U 2509 B-FP	U 2505 B U 2506 B-FP
Carrier frequency	20 ... 50 kHz			455 kHz
Supply voltage range	7.7 ... 16 V	4.5 ... 5.5 V / 7.7 ... 16 V		4.5 ... 6 V
Output configuration	Power ON control	Integrated output	Schmitt-Trigger output	

U 2501 B · U 2502 B-FP · Front end amplifier for infrared remote control systems with carrier frequencies between 20 and 50 kHz

Supply voltage range	V_S	7 ... 14	V
Supply current	I_S	1.1	mA



Features:

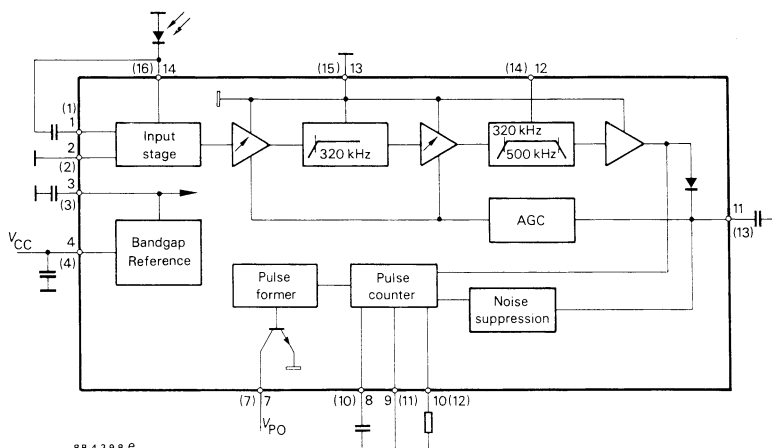
- Low power consumption (typ. 1 mA)
- On-chip reference voltage
- Few external components

Case:

DIP 8 (U 2501 B)
Dimensions see page 98
Number 4
or
SO 8 (U 2502 B-FP)
Dimensions see page 101
Number 17

U 2505 B · U 2506 B-FP · Front end amplifier for infrared remote control systems with carrier frequencies of about 400 kHz

Supply voltage range	V_S	4.5 ... 6	V
Supply current	I_S	2	mA



Features:

- Low power consumption (typ. 2 mA)
- On-chip reference voltage
- Few external components
- Automatic gain control
- μ C-compatible demodulated output signal

Case:

DIP 14 (U 2505 B)
Dimensions see page 98
Number 6
or
SO 16 U 2506 B-FP)
Dimensions see page 102
Number 18