

TV and VTR – TV and CATV Tuner

U 4744 B · U 4744 B-FP · Amplifier with symmetrical input and output stage, suitable for TV SAW filters in order to compensate the insertion losses

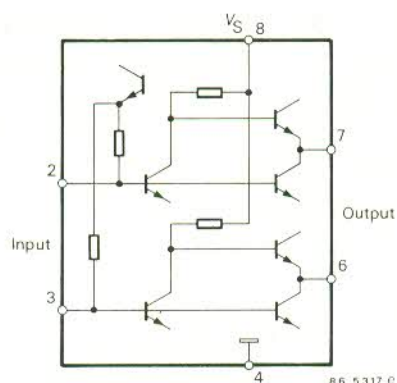
Supply voltage range	Pin 8	V_S	10.8...13.2	V
Supply current	Pin 8	I_S	17	mA
Voltage gain	Pin 2, 3 to 6, 7	G_V	23	dB
Output resistance	Pin 6, 7	R_o	70	Ω
Input resistance	Pin 2, 3	R_i	1050	Ω
		C_i	4	pF

Features:

- Low power consumption (typ. 200 mW)
- Low resistance push-pull output (typ. 70 Ω)
- Operating range in excess of 200 MHz
- Excellent large signal compatibility

Case:

DIP 8 (U 4744 B)
 Dimensions see page 105
 Number 4
 or
 SO 8 (U 4744 B-FP)
 Dimensions see page 108
 Number 17



U 4777 B · VHF mixer with two integrated oscillators and UHF IF post amplifier for the application in TV tuners up to 450 MHz

Supply voltage range	Pin 10, 14, 1	V_S	10...15	V
Supply current	Pin 10, 14, 1	I_S	52	mA
Input level for IM3/46 dB				
$f_{in} = 50$ MHz			-17	dBm
$f_{in} = 250$ MHz			-18	dBm
Voltage at L.O.-output				
($R_L = 50 \Omega$, $f = 100$ MHz)			-23	dBm

Features:

- Low oscillator radiation
- No oscillator cut-off at low tuning voltages
- Separate output stage for external prescaler
- Large signal handling capability

Case:

DIP 14
 Dimensions see page 105
 Number 6

