

ANALOGUE INTEGRATED CIRCUITS

SEMI-CUSTOM

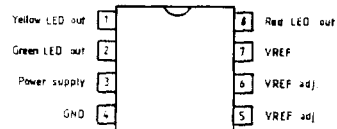


12V ACCUMULATOR VOLTAGE INDICATOR (3 LED DRIVER)

BU 1010N

Features :

Operating temperature : -40...+85°C
 Supply voltage : 8 ... 18 V
 Output current : max. 25 mA
 Typ. reference voltage drift : 0.2 mV/°C
 Lighting volt. intervals: below 11.3 V Red LED
 11.3 to 13 V Yellow LED
 13 to 15.2 V Green LED
 over 15.2 V Red & Green



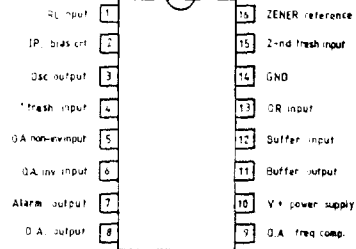
PACKAGE MP-48 / TOP VIEW

ALARM GENERATOR

BU 1011

Features :

Contains 3 independent blocks : an alarm detector (2 voltage comparators with a logic AND/OR circuit) an 100mA open collector driver and an Op.Amp.
 Operating temperature : -25...+85°C
 Supply voltage : 8 ... 20 V
 Internal polarised ZENER voltage : 6.8 ... 7.8 V
 Low-level output voltage at 100 mA : max. 2.0 V
 Operational amplifier open loop gain : typ. 100000



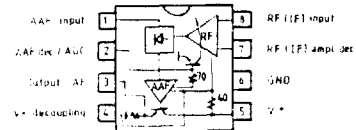
PACKAGE MP-117 / TOP VIEW

1.5V SUPPLY AM RADIO RECEIVER

BU 1014N

Features :

Operating temperature : 0 ... +70°C
 Supply voltage : 1.1 ... 2 V
 Supply current (R_{load}=100ohms) : max. 10 mA
 Operating frequency : max. 2 MHz
 RF input amplitude : max. 30 mV
 RF input impedance : min. 300 ko
 Sensibility (f_i=1MHz, f_m=1kHz, m=30%) max. 1 mV
 AGC efficiency @ 6dB out AF nonuniform. typ. 30 dB



PACKAGE MP-48 / TOP VIEW

UNICIP 3000

Processed in a 40 V technology, UNICIP 3000 includes 4 Super-β tranzistors and has 16 pads.

UNICIP 3000 component list:

10 mA NPN transistors	46 pcs.
10 mA super-β transistors	4 pcs.
300 mA NPN transistors	4 pcs.
2-collectors PNP-lateral transistors	24 pcs.
Vertical PNP transistors	4 pcs.
Capacitor	1 pc.
P-diffusion resistors:	
0.5 Kohms	28 pcs.
1 Kohm	14 pcs.
2 Kohms	21 pcs.
4 Kohms	35 pcs.
8 Kohms	21 pcs.

Features:

Supply voltage	max. 40 V
NPN current gain (I _C =2 mA)	typ. 100
Super-β gain	typ. 1000
Lateral PNP current gain	min. 10
Chip temperature	max. 125°C
Power dissipation:	depending on the package utilised
Temperature range:	depending on the project design