



Pin	Connection
2	Collector VT2
3	Base VT2
4	Emitter VT2
6	Collector VT1
7	Base VT1
8	Emitter VT1

Electrical Characteristics

Parametr	Conditions	T_A	Min	Max	Units
Collector Reverse Current	$U_{CB} = 20 \text{ V}$	+25°C	-	10	nA
		-45°C	-	10	
		+85°C	-	1000	
Reverse Emitter Current	$U_{BE} = 4 \text{ V}$	+25°C	-	20	nA
		-45°C	-	20	
		+85°C	-	500	
Initial Collector Current	$U_{CE} = 15 \text{ V}, R_B = 10^4 \Omega$	+25°C	-	20	nA
		-45°C	-	20	
		+85°C	-	1000	
Leakage Current between transistors	$U_{T1T20} = 25 \text{ V}$	+25°C	-	10	nA
		-45°C	-	10	
		+85°C	-	300	
Static Forward Current Transfer Ratio in a Common-Emitter Circuit in Large Signal Mode	$U_{CB} = 5 \text{ V}, f = 50 \text{ Hz}, \tau_u = 2 \text{ ms}$ $I_E = 0,05 \text{ mA}$	+25°C	80	-	
		-45°C	32	-	
		+85°C	80	-	
	$U_{CB} = 5 \text{ V}, f = 50 \text{ Hz}, \tau_u = 2 \text{ ms}$ $I_E = 1 \text{ mA}$	+25°C	160	-	
		-45°C	80	-	
		+85°C	240	-	
Ratio of Static Forward Current Transfer Coefficients in Common Emitter Circuit in Large Signal Mode	$U_{CB} = 5 \text{ V}, f = 50 \text{ Hz}, \tau_u = 2 \text{ ms}$ $I_E = 0,05 \text{ mA}$	+25°C	0,92	-	
		-45°C	0,8	-	
		+85°C	0,8	-	
	$U_{CB} = 5 \text{ V}, f = 50 \text{ Hz}, \tau_u = 2 \text{ ms}$ $I_E = 1 \text{ mA}$	+25°C	0,9	-	
		-45°C	0,85	-	
		+85°C	0,85	-	
High Frequency Current Transfer Ratio Module	$U_{CB} = 5 \text{ V}, I_E = 3 \text{ mA}, f = 10^8 \text{ Hz}$	+25°C	4,5	-	
Forward voltage difference modulus emitter-base	$U_{CB} = 5 \text{ V}, I_E = 1 \text{ mA}$	+25°C	-	3	mV
Absolute change in modulus of emitter-base voltage difference	$U_{CB} = 1 \text{ V}, I_E = 1 \text{ mA}$	-45°C ÷ +85°C	-	2	mV
collector junction capacitance	$U_{CB} = 5 \text{ V}, f = 10^7 \text{ Hz}$	+25°C	-	3	pF
Emitter junction capacitance	$U_{BE} = 1 \text{ V}, f = 10^7 \text{ Hz}$	+25°C	-	4	pF
Forward voltage emitter-base transistors	$U_{CE} = 5 \text{ V}, I_E = 1 \text{ mA}$	+25°C	0,55	0,75	V

Microcircuits are made under supervision of Quality Department, checked and there correspond specification

Quality Dept. stamp