查询UNR7231供应商 Transistors with built-in Resistor

捷多邦,专业PCB打样工厂,2<u>4小</u>距

,24小时加急 **Pamg**sonic

UNR7231 (UN7231)

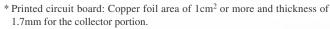
Silicon NPN epitaxial planer transistor

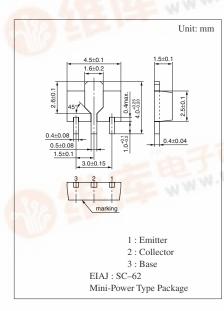
For amplification of the low frequency

- Features
- High forward current transfer ratio h_{FE} .
- Costs can be reduced through downsizing of the equipment and reduction of the number of parts.

Parameter	Symbol	Ratings	Unit
Collector to base voltage	V _{CBO}	20	V
Collector to emitter voltage	V _{CEO}	20	s v
Collector current	I _C	0.7	А
Peak collector current	I _{CP}	1.5	А
Total power dissipation	P_T^*	1.0	W
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

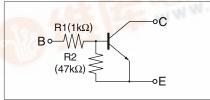
Absolute Maximum Ratings (Ta=25°C)





Marking Symbol: IC

Internal Connection



Electrical Characteristics (Ta=25°C)

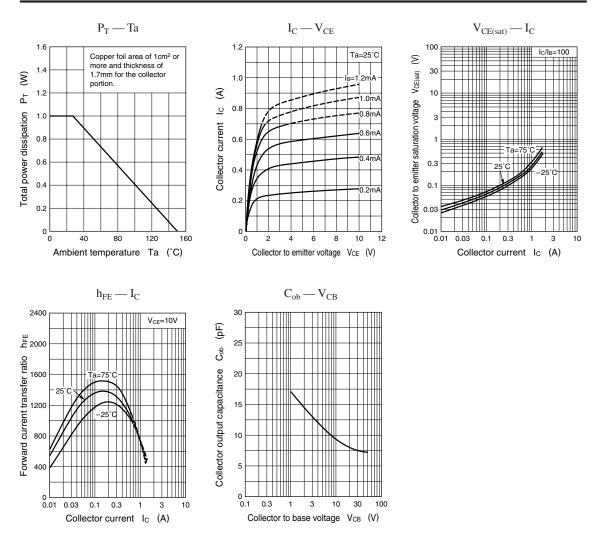
Parameter	Symbol	Conditions	min	typ	max	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = 15V, I_E = 0$			1	μA
	I _{CEO}	$V_{CE} = 15V, I_B = 0$	- 13	. 16	10	μA
Emitter cutoff current	I _{EBO}	$V_{EB} = 14V, I_C = 0$	417		0.5	mA
Collector to base voltage	V _{CBO}	$I_{\rm C} = 10\mu A, I_{\rm E} = 0$	20			V
Collector to emitter voltage	V _{CEO}	$I_{\rm C} = 1 {\rm mA}, I_{\rm B} = 0$	20			V
Forward current transfer ratio	h _{FE}	$V_{CE} = 10V, I_C = 150mA^*$	800		2100	
Collector to emitter saturation voltage	V _{CE(sat)}	$I_{\rm C} = 500 {\rm mA}, I_{\rm B} = 5 {\rm mA}^*$			0.4	V
Transition frequency	f _T	$V_{CB} = 20V, I_E = -20mA, f = 200MHz$		55		MHz
Input resistance	R ₁		0.7	1	1.3	kΩ
Resistance ratio	R ₁ /R ₂		0.016	0.021	0.025	



*Pulse measurement

Transistors with built-in Resistor

UNR7231



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