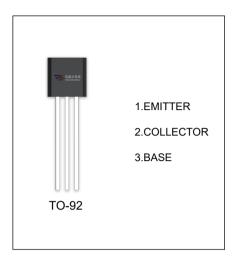


PH2369 TRANSISTOR (NPN)

FEATURES

Power Dissipation



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
PH2369	TO-92	Bulk	1000pcs/Bag
PH2369-TA	TO-92	Таре	2000pcs/Box

MAXIMUM RATINGS (Ta=25°C unless otherwise noted)

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	40	V
V _{CEO}	Collector-Emitter Voltage	15	V
V _{EBO}	Emitter-Base Voltage	4.5	V
Ic	Collector Current –Continuous	0.2	А
Pc	Collector Power Dissipation	500	mW
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55-150	°C



Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C = 100μA, I _E =0	40			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = 10mA, I _B =0	15			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = 10μA, I _C =0	4.5			V
Collector cut-off current	I _{CBO}	V _{CB} = 20V, I _E =0			0.4	μA
Emitter cut-off current	I _{EBO}	V _{EB} = 4V, I _C =0			0.1	μA
DC comment weigh	h _{FE1}	V _{CE} = 1V, I _C = 10mA	40		120	
DC current gain	h _{FE2}	V _{CE} = 2V, I _C = 100mA	20			
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =10mA, I _B =1mA			0.25	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =10mA, I _B =1mA	0.7		0.85	V
Transition frequency	f _T	V _{CE} = 10V, I _C =10mA f=100MHz	500			MHz
Collector capacitance	C _c	V _{CB} =5V,I _E =0,f=1MHz			4	pF
Emitter capacitance	C _e	V _{EB} =1V,I _E =0,f=1MHz			4.5	pF
Turn-on time	t _{on}	V _{CC} =3V, I _C =10mA ,			10	nS
Turn-off time	t _{off}	I _{B1} = 3mA			20	nS