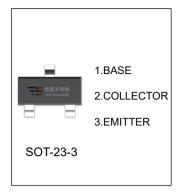


2SC2412K TRANSISTOR

 $(\mathsf{NPN}) \ \textbf{FEATURES}$

· Low C_{ob} , C_{ob} = 2.0 pF (Typ).



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

Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	60	V
V _{CEO}	Collector-Emitter Voltage	50	V
V _{EBO}	Emitter-Base Voltage	7	V
Ic	Collector Current	150	mA
Pc	Collector Power Dissipation	400	mW
R _{OJA}	Thermal Resistance From Junction To Ambient	312.5	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	℃

ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =50μΑ,I _E =0	60			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =1mA,I _B =0	50			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =50μA,I _C =0	7			٧
Collector cut-off current	I _{CBO}	V _{CB} =60V,I _E =0			0.1	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} =7V,I _C =0			0.1	μΑ
DC current gain	h _{FE}	V _{CE} =6V,I _C =1mA	120		560	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =50mA,I _B =5mA			0.4	V
Transition frequency	f⊤	V _{CE} =12V,I _C =-2mA,f=100MHz		150		MHz
Collector output capacitance	C _{ob}	V _{CB} =12V,I _E =0,f=1MHz		2.0	3.5	pF

CLASSIFICATION OF hFE

Rank	Q	R	S	
Range	120 - 270	180 - 390	270 - 560	
Marking	BQ	BR	BS	



