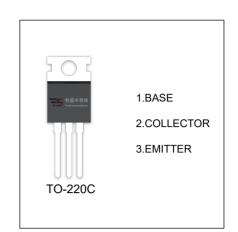


KTD2058 TRANSIST OR (NPN)

FEATURES

Low Collector Saturation Voltage: VCE(SAT) = 1. 0V(MAX)



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

Symbol	Parameter	Value	Unit	
V _{CBO}	Collector-Base Voltage	60	V	
V _{CEO}	Collector-Emitter Voltage	60	V	
V _{EBO}	Emitter-Base Voltage	7	V	
Ic	Collector Current -Continuous	3	Α	
Pc	Collector Power Dissipation	2	W	
T_{j} , T_{stg}	Operation Junction and Storage Temperature Range	-55-150	℃	

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

Parameter		Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltage		V _{(BR)CBO}	I _C =100μA, I _E =0	60			V
Collector-emitter breakdown voltage		V _{(BR)CEO}	I _C =50mA, I _B =0	60			V
Emitter-base breakdown voltage		V _{(BR)EBO}	I _E =100μA, I _C =0	7			V
Collector cut-off current		I _{CBO}	V _{CB} =60V, I _E =0			100	μA
Emitter cut-off current		I _{EBO}	V _{EB} =7V, I _C =0			100	μA
DC current gain		h _{FE}	V _{CE} =5V, I _C =0.5A	60		200	
Collector-emitter saturation voltage		V _{CE(sat)}	I _C =2A, I _B =0.2A			1	V
Base-emitter voltage		V _{BE(on)}	V _{CE} =5V, I _C =0.5A			1	V
Transition frequency		f _T	V _{CE} =5V, I _C =0.5A		3		MHz
Collector output capacitance		Cob	V _{CB} =10V, I _E =0, f=1MHz		35		pF
Switching time	Turn-on Time	t _{on}	INPUT INPUT INFO SIGN INPUT INFO SIGN INPUT INFO SIGN INPUT INFO SIGN VCC = 30V		0.65		
	Storage Time	t _{stg}			1.3		us
	Fall Time	t _f		0.65			

CLASSIFICATION OF hFE

Rank	0	Υ		
Range	60-120	100-200		



