

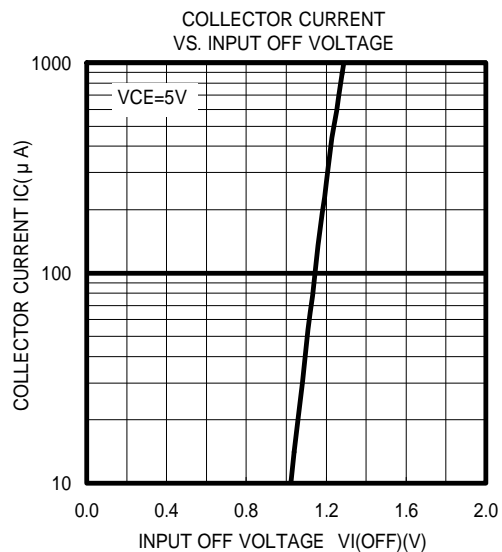
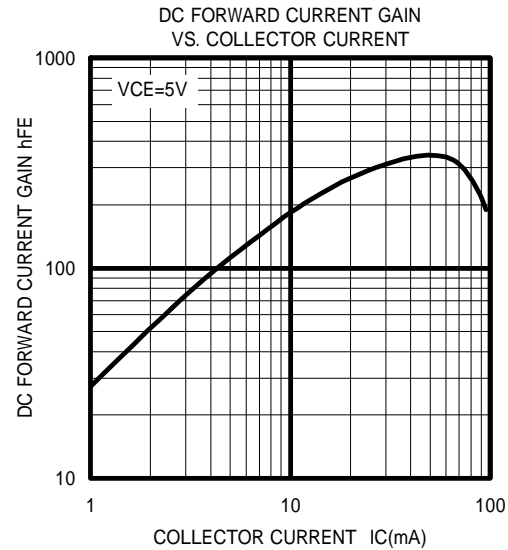
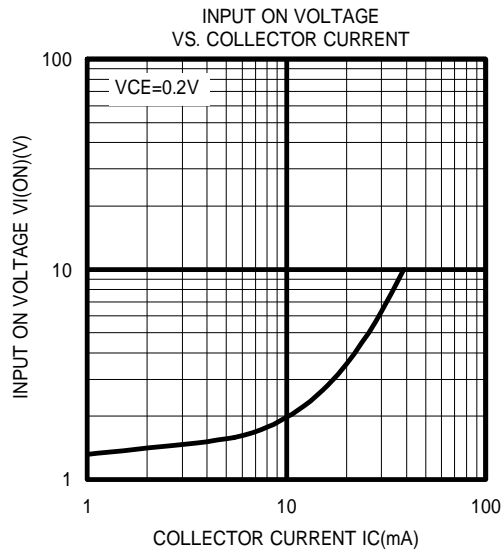
RT3N22M

Compound Transistor With Resistor
For Switching Application
Silicon Epitaxial Type

ELECTRICAL CHARACTERISTICS (Ta=25)

Symbol	Parameter	Test conditions	Limits			Unit
			Min	Typ	Max	
V _{(BR)CEO}	Collector to Emitter break down voltage	I _C =100 μ A, R _{BE} =	50	-	-	V
I _{CBO}	Collector cut off current	V _{CB} =50V, I _E =0	-	-	0.1	μ A
h _{FE}	DC forward current gain	V _{CE} =5V, I _C =5mA	50	-	-	-
V _{CE(sat)}	Collector to Emitter saturation voltage	I _C =10mA, I _B =0.5mA	-	0.1	0.3	V
V _{I(ON)}	Input on voltage	V _{CE} =0.2V, I _C =5mA	-	1.8	3.0	V
V _{I(OFF)}	Input off voltage	V _{CE} =5V, I _C =100 μ A	0.8	1.1	-	V
R ₁	Input resistor	-	16	22	28	k
R ₂ /R ₁	Resistor ratio	-	0.9	1.0	1.1	-
f _T	Gain band width product	V _{CE} =6V, I _E =-10mA	-	200	-	MHz

TYPICAL CHARACTERISTICS





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