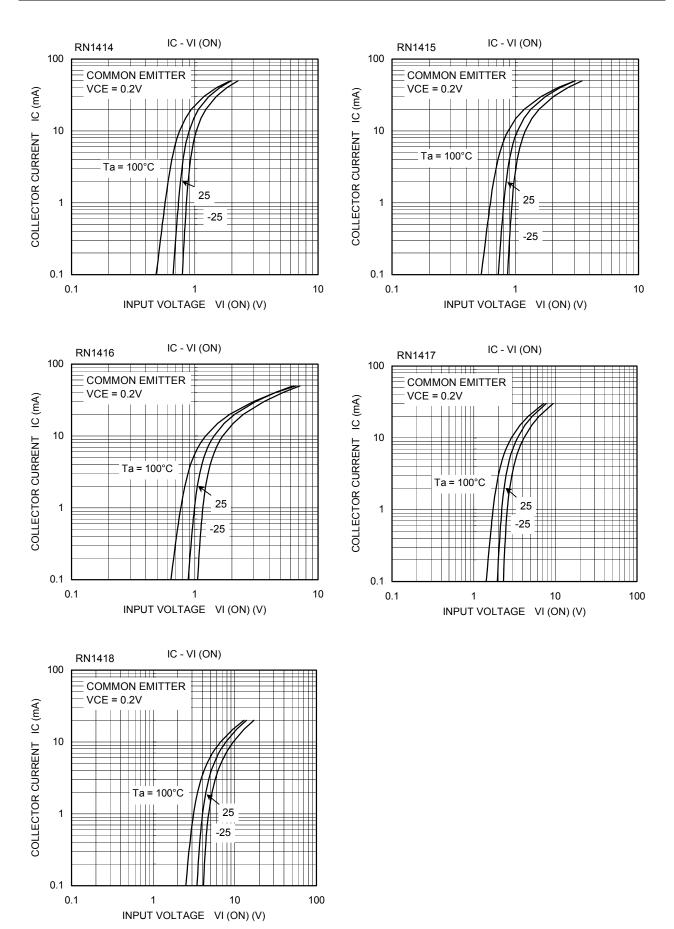
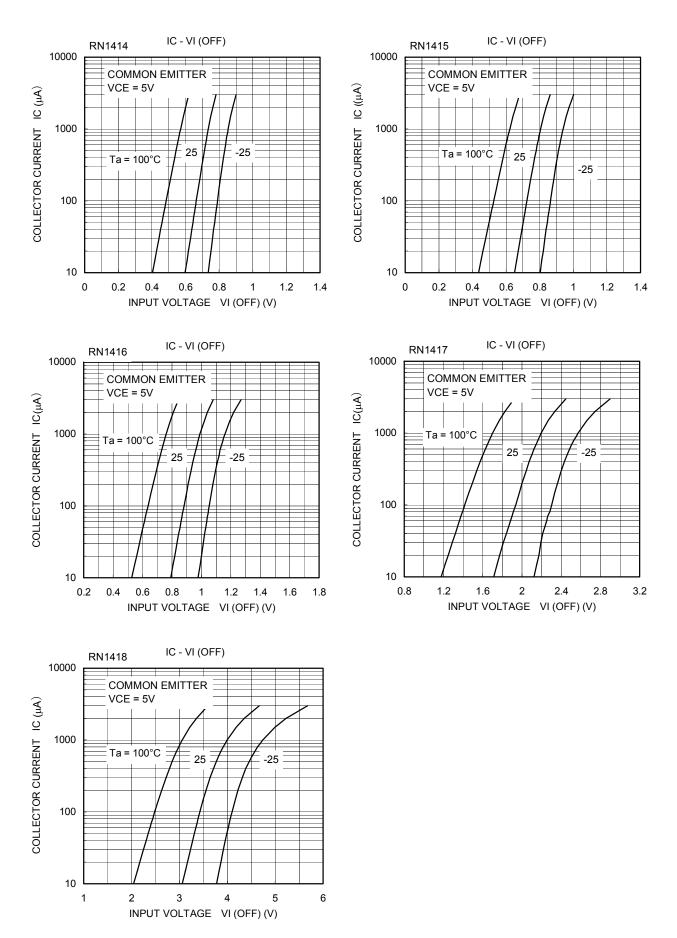
Electrical Characteristics (Ta = 25°C)

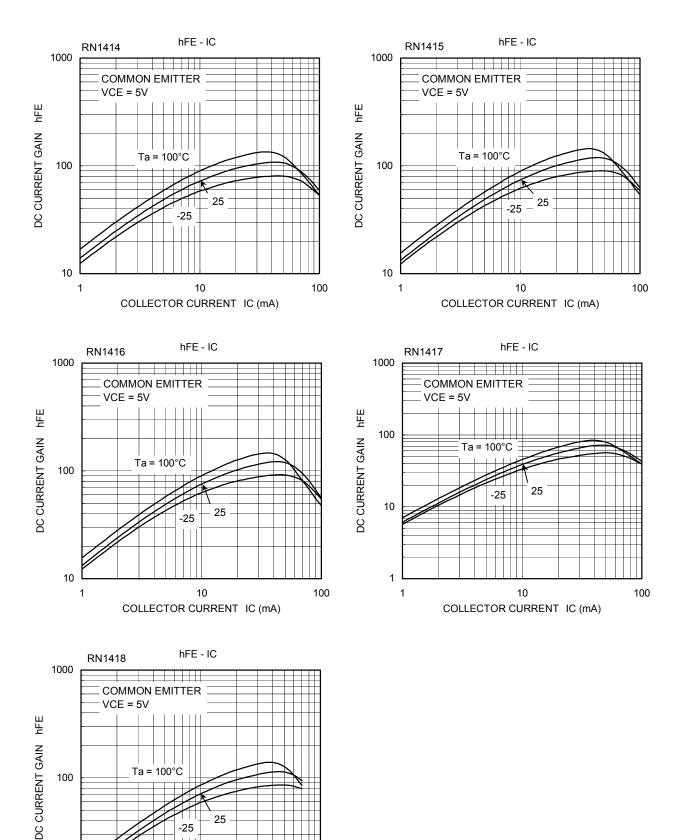
Characteristic		Symbol	Test Circuit	Test Condition	Min	Тур.	Max	Unit
Collector cut-off current	RN1414 to 1418	I _{CBO}	_	V _{CB} = 50V, I _E = 0	_	_	100	nA
	RN1414 to 1418	ICEO		V _{CE} = 50V, I _B = 0	_	_	500	nA
Emitter cut-off current	RN1414	IEBO	_	V _{EB} = 5V, I _C = 0	0.35	_	0.65	mA
	RN1415			V _{EB} = 6V, I _C = 0	0.37	_	0.71	
	RN1416			V _{EB} = 7V, I _C = 0	0.36	_	0.68	
	RN1417			V _{EB} = 15V, I _C = 0	0.78	_	1.46	
	RN1418			V _{EB} = 25V, I _C = 0	0.33	_	0.63	
DC current gain	RN1414 to 16,18	hFE	_	V _{CE} = 5V, I _C = 10mA	50	_		
	RN1417				30	_	_	
Collector-emitter saturation voltage	RN1414 to 1418	V _{CE (sat)}	_	I _C = 5mA, I _B = 0.25mA	_	0.1	0.3	V
Input voltage (ON)	RN1414	VI (ON)	_	V _{CE} = 0.2V, I _C = 5mA	0.6	_	2.0	V
	RN1415				0.7	_	2.5	
	RN1416				0.8	_	2.5	
	RN1417				1.5	_	3.5	
	RN1418				2.5	_	10.0	
Input voltage (OFF)	RN1414	VI (OFF)	_	V _{CE} = 5V, I _C = 0.1mA	0.3	_	0.9	V
	RN1415				0.3	_	1.0	
	RN1416				0.3	_	1.1	
	RN1417				0.3	_	2.3	
	RN1418				0.5	_	5.7	
Transition frequency	RN1414 to 1418	f _T	-	V _{CE} = 10V, I _C = 5mA	—	250	-	MHz
Collector Output capacitance	RN1414 to 1418	C _{ob}	_	V _{CB} = 10V, I _E = 0, f = 1MHz	_	3.0	6.0	pF
Input resistor	RN1414	R1	_	_	0.7	1.0	1.3	kΩ
	RN1415				1.54	2.2	2.86	
	RN1416				3.29	4.7	6.11	
	RN1417				7.0	10.0	13.0	
	RN1418				32.9	47.0	61.1	
Resistor ratio	RN1414	R1/R2	_	_	_	0.1	_	-
	RN1415				_	0.22	_	
	RN1416				_	0.47	_	
	RN1417				_	2.13	_	-
	RN1418				_	4.7	_	



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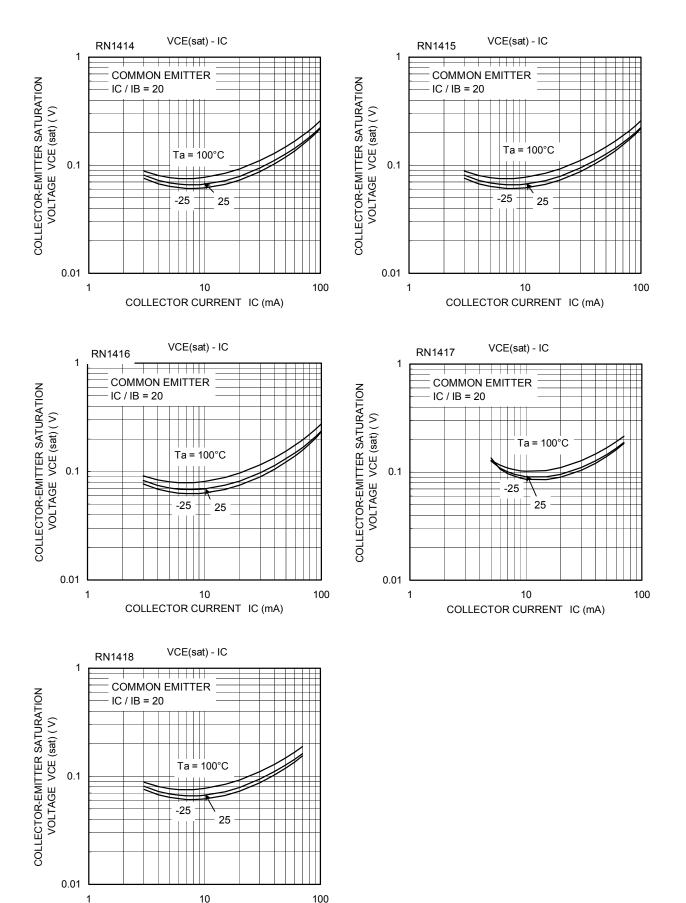
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25

-25

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COLLECTOR CURRENT IC (mA)



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COLLECTOR CURRENT IC (mA)

Type Name	Marking			
RN1414	XQ IIII			
RN1415	X S			
RN1416	XT U			
RN1417	XU XU			
RN1418	XW L			

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