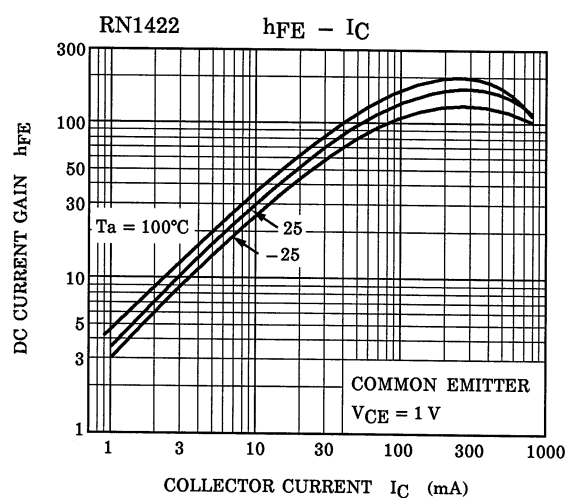
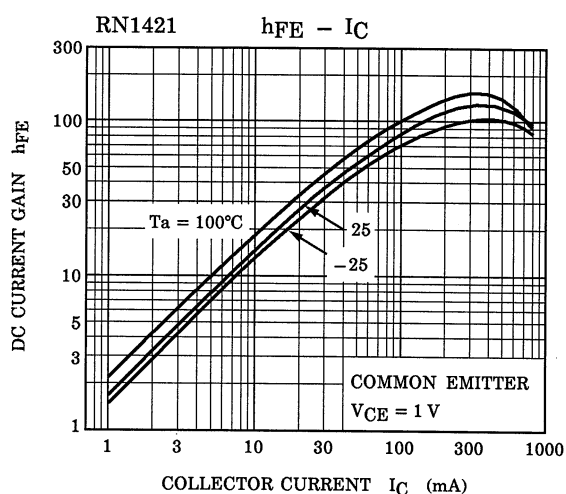
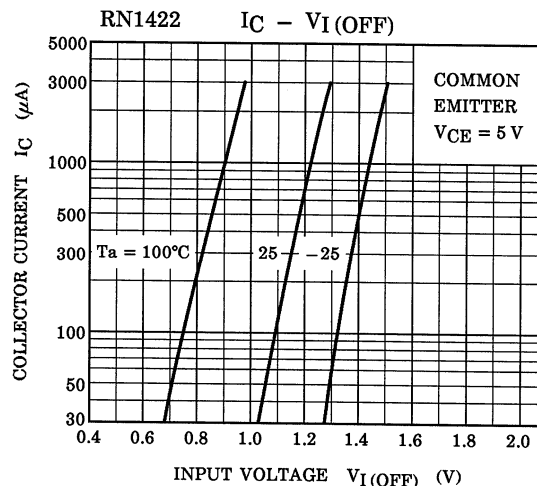
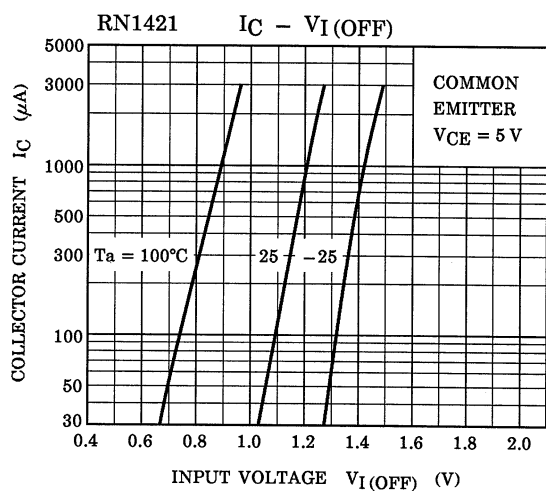
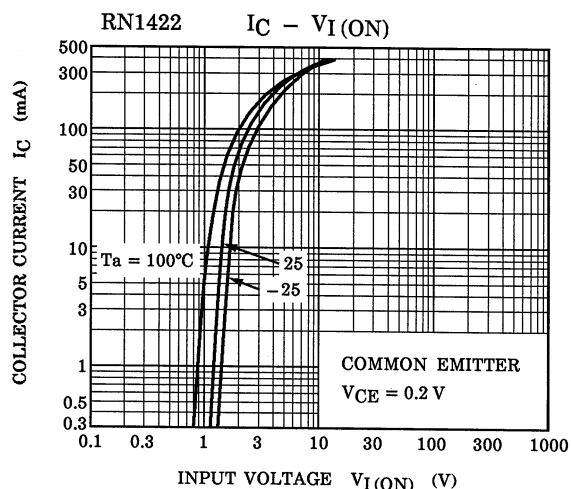
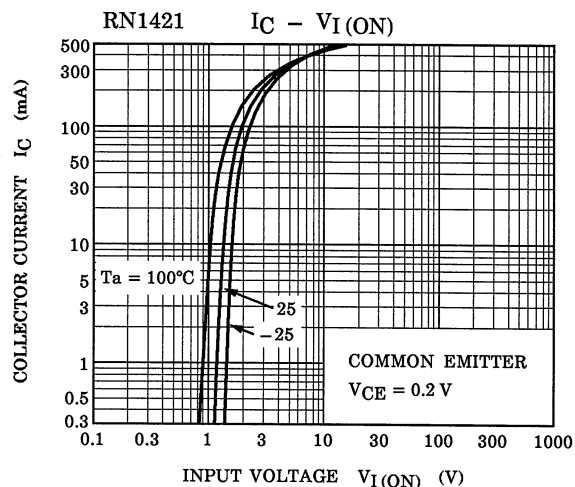
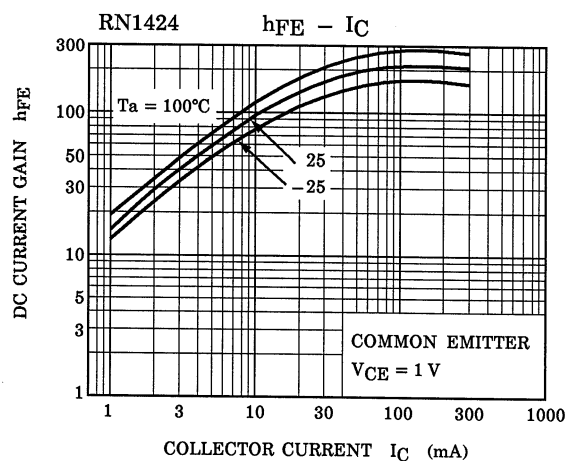
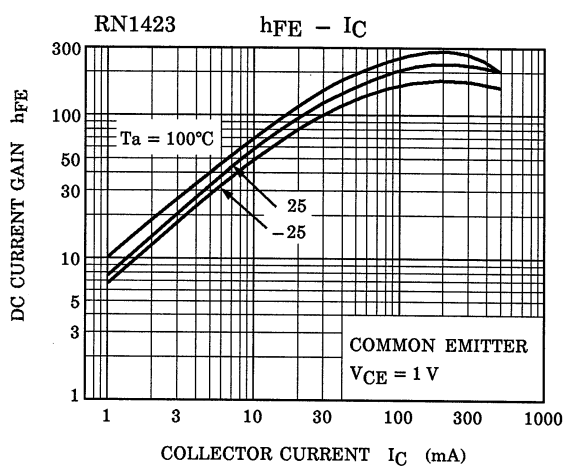
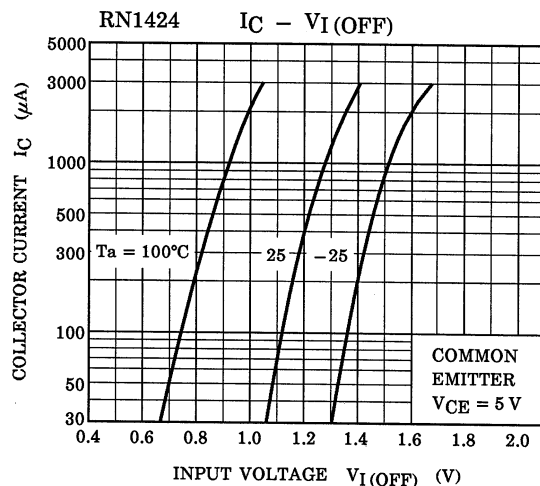
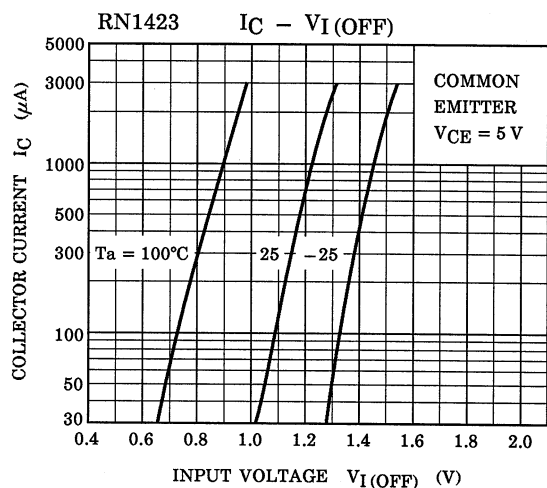
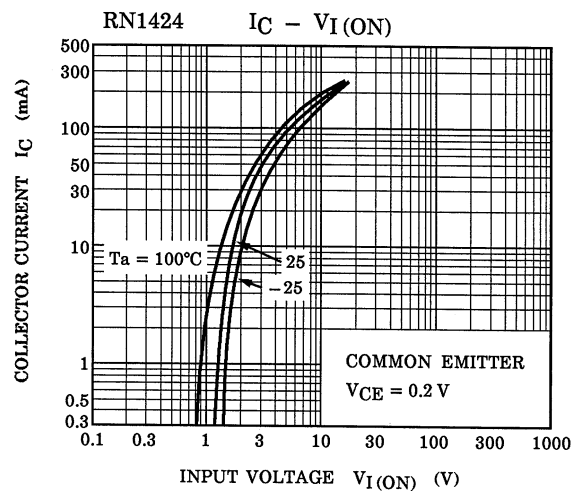
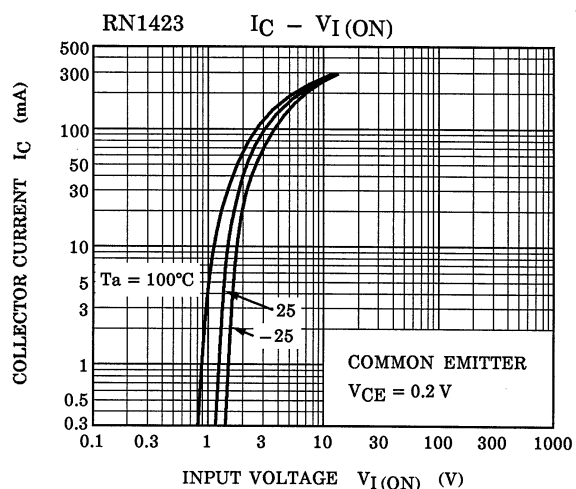


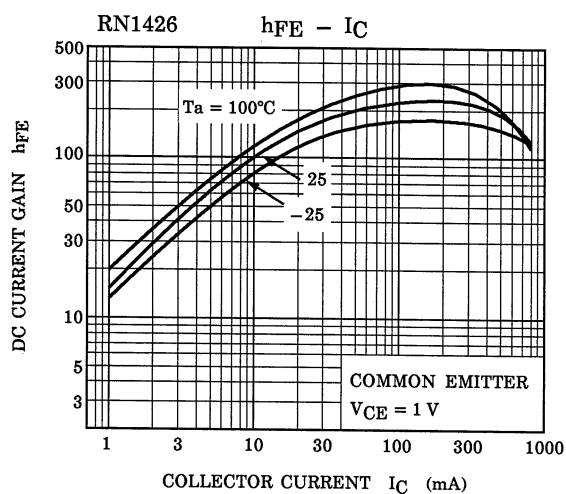
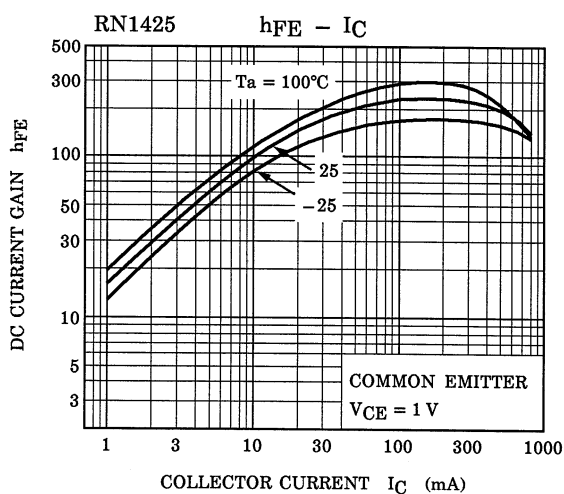
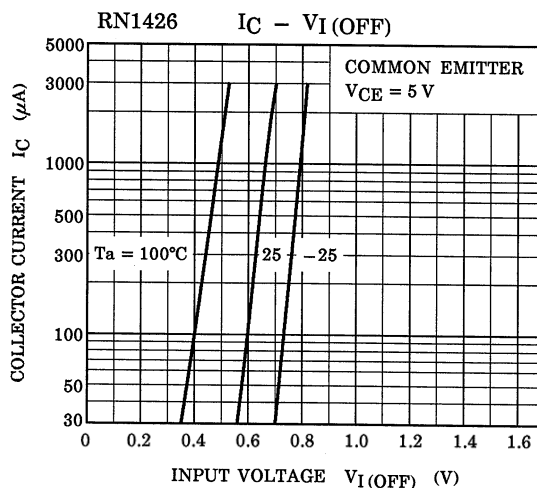
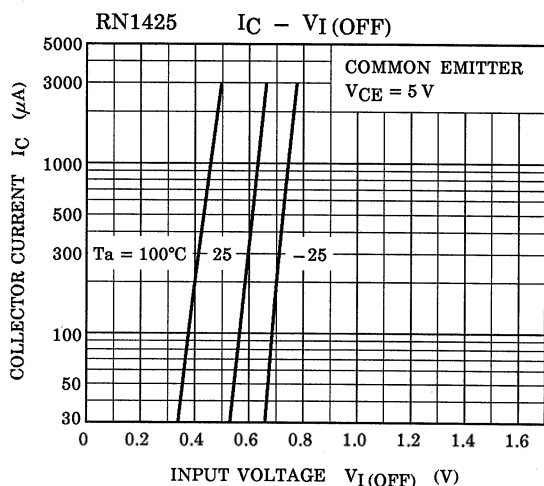
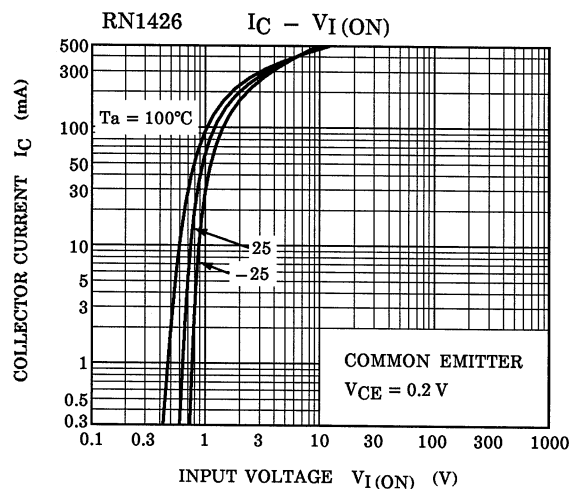
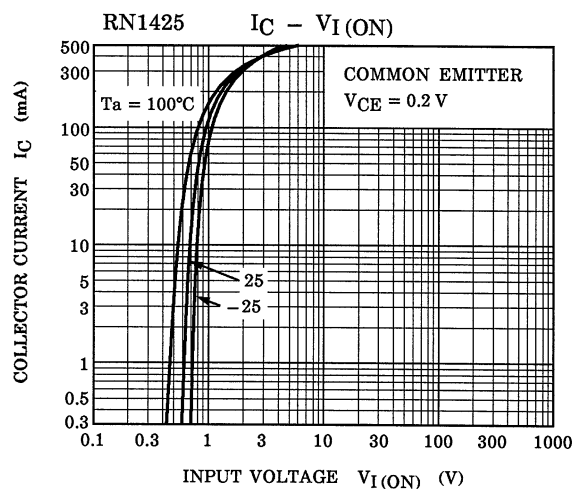
Electrical Characteristics (Ta = 25°C)

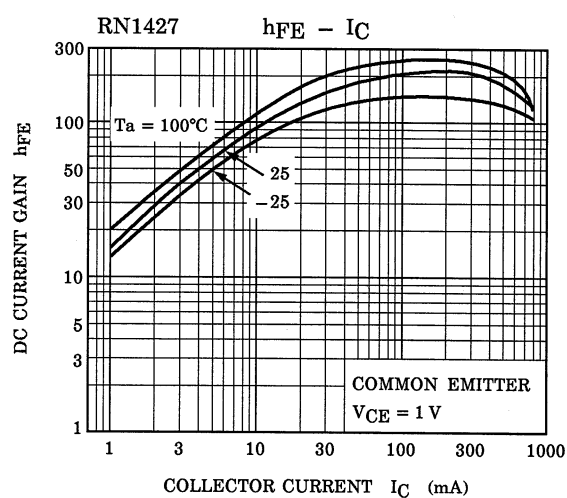
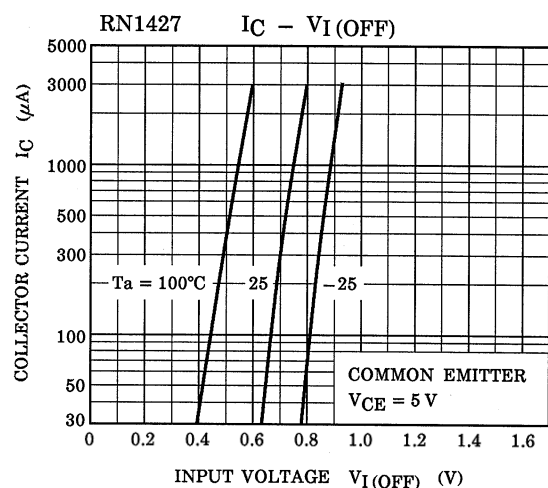
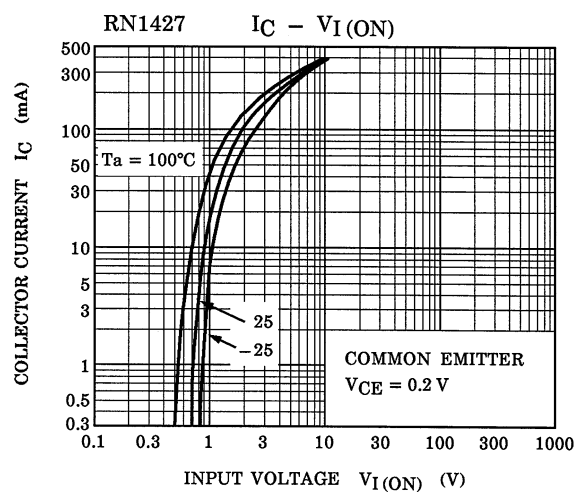
Characteristic		Symbol	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current	RN1421 to 1427	ICBO	V _{CB} = 50 V, I _E = 0 mA	—	—	100	nA
		ICEO	V _{CE} = 50 V, I _B = 0 mA	—	—	500	
Emitter cut-off current	RN1421	IEBO	V _{EB} = 10 V, I _C = 0 mA	3.85	—	7.14	mA
	RN1422			1.75	—	3.25	
	RN1423			0.82	—	1.52	
	RN1424			0.38	—	0.71	
	RN1425		V _{EB} = 5 V, I _C = 0 mA	0.365	—	0.682	
	RN1426			0.35	—	0.65	
	RN1427		V _{EB} = 6 V, I _C = 0 mA	0.378	—	0.703	
DC current gain	RN1421	h _{FE}	V _{CE} = 1 V, I _C = 100 mA	60	—	—	—
	RN1422			65	—	—	
	RN1423			70	—	—	
	RN1424			90	—	—	
	RN1425			90	—	—	
	RN1426			90	—	—	
	RN1427			90	—	—	
Collector-emitter saturation voltage	RN1421	V _{CE (sat)}	I _C = 50 mA, I _B = 2 mA	—	—	0.25	V
	RN1422 to 1427		I _C = 50 mA, I _B = 1 mA				
Input voltage (ON)	RN1421	V _{I (ON)}	V _{CE} = 0.2 V, I _C = 100 mA	1.0	—	3.5	V
	RN1422			1.4	—	4.5	
	RN1423			2.0	—	6.5	
	RN1424			3.0	—	12.0	
	RN1425			0.6	—	2.0	
	RN1426			0.7	—	2.5	
	RN1427			1.0	—	3.0	
Input voltage (OFF)	RN1421 to 1424	V _{I (OFF)}	V _{CE} = 5 V, I _C = 0.1 mA	0.8	—	1.3	V
	RN1425, 1426			0.4	—	0.8	
	RN1427			0.5	—	1.0	
Transition frequency	RN1421 to 1427	f _T	V _{CE} = 5 V, I _C = 20 mA	—	300	—	MHz
Collector Output capacitance	RN1421 to 1427	C _{ob}	V _{CB} = 10 V, I _E = 0 mA, f = 1 MHz	—	7	—	pF
Input resistor	RN1421	R ₁	—	0.7	1.0	1.3	kΩ
	RN1422			1.54	2.2	2.86	
	RN1423			3.29	4.7	6.11	
	RN1424			7	10	13	
	RN1425			0.329	0.47	0.61	
	RN1426			0.7	1.0	1.3	
	RN1427			1.54	2.2	2.86	
Resistor ratio	RN1421 to 1424	R ₁ /R ₂	—	0.9	1.0	1.1	—
	RN1425			0.0423	0.047	0.0517	
	RN1426			0.09	0.1	0.11	
	RN1427			0.2	0.22	0.24	

Characteristics Curves



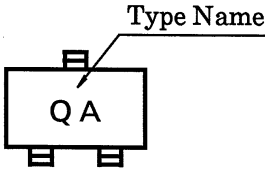
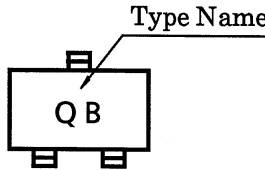
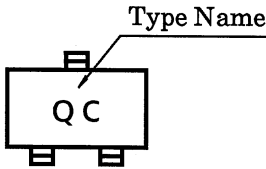
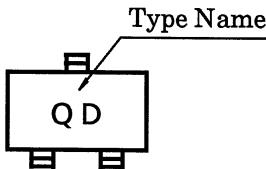
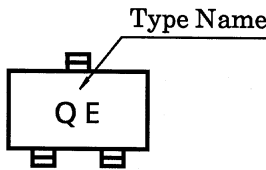
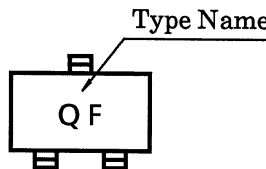
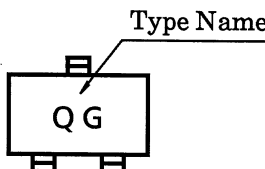






The above characteristics curves are presented for reference only and not guaranteed by production test, unless otherwise noted.

Marking

Type Name	Marking
RN1421	
RN1422	
RN1423	
RN1424	
RN1425	
RN1426	
RN1427	

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