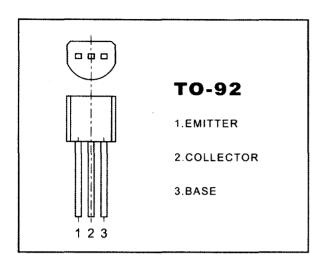
TO-92 Plastic-Encapsulate Transistors

C945 TRANSISTOR(NPN)



FEATURES

Power dissipation

Рсм: 0.4W (Tamb=25°С)

Zöffector current

Iсм: 0.15 А

Collector-base voltage

V_{(ВR)СВО:} 60 V

Committing and storage junction temperature range

TJ, Tstg: -55℃ to + 150℃

ELECTRICAL CHARACTERISTICS

(Tamb=25°C unless otherwise specified)

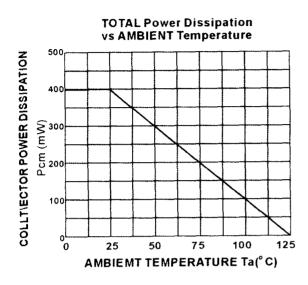
Collector-base breakdown voltage	V(BR)CBO	lc= 1000 μ A, l∈=0	60		V
Collector-emitter breakdown voltage	V(BR)CEO	Ic= 0.1 mA, I _B =0	50		V
Emitter-base breakdown voltage	V(BR)EBO	le= 100 μ A, IC=0	5		V
Collector cut-off current	Ісво	Vce= 60 V, IE=0		0.1	μА
Collector cut-off current	ICER	V _{CE} = 55 V, R= 10 MΩ		0.1	μ А
Emitter cut-off current	Ієво	VEB= 5 V, Ic=0		0.1	μА
DC current gain	h _{FE(1)}	Vc= 6 V, lc= 1 mA	70	700	
	hFE(2)	Vce= 6 V, Ic= 0.1 mA	40		
Collector-emitter saturation voltage	VCEsat	Ic= 100 mA, Is= 10 mA		0.3	V
Base-emitter saturation voltage	VBEsat	Ic= 100 mA, Ia= 10 mA		1	V
Base-emitter voltage	VBE	le= 310mA		1.4	V
	fτ	Vce= 6 V, lc= 10 mA	450		MHz
Transition frequency		f=30MHz	150		

CLASSIFICATION OF hee(1)

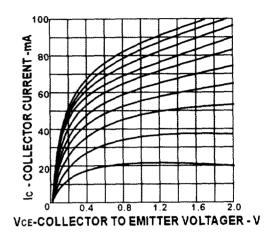
Rank	0	Y	GR	BL
Range	70-140	120-240	200-400	350-700

Typical Characteristics

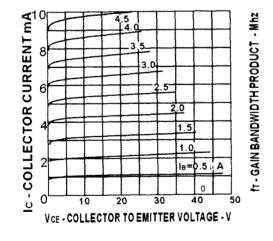
C945



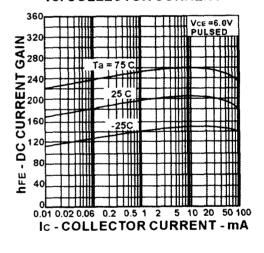
COLLECTOR CURRENT VS COLLECTOR TO EMITTER VOLTAGE



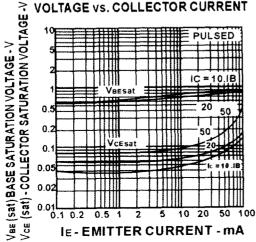
COLLECTOR CURRENT VS.COLLECTOR TO EMITTER VOLTAGE



DC CURRNT GAIN vs. COLLECTOR CURRENT



COLLECTOR AND BADE SATURATION VOLTAGE VS. COLLECTOR CURRENT



DC CURRENT GAIN **VS.COLLECTOR CURRENT**

