S9018 (NPN)

FEATURES

AM/FM Amplifier, Local Oscillator of FM/VHF Tuner

High Current Gain Bandwidth Product fT=1.1 GHz (Typ)

MARKING: J8



1. BASE
2. EMITTER
3. COLLECTO

SOT-23

MAXIMUM RATINGS (TA=25℃ unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V_{CBO}	30	V
Collector-Emitter Voltage	V_{CEO}	15	V
Emitter-Base Voltage	V_{EBO}	5	V
Collector Current -Continuous	I_C	50	mA
Collector Power Dissipation	P_C	0.2	W
Junction Temperature	T_J	150	℃
Storage Temperature	Tstg	-55 to +150	℃

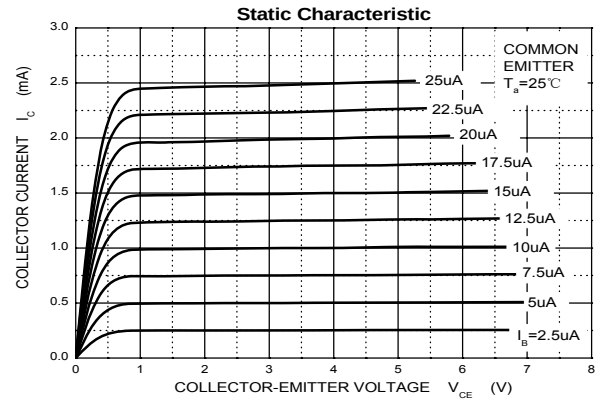
ELECTRICAL CHARACTERISTICS (Tamb=25℃ unless otherwise specified)

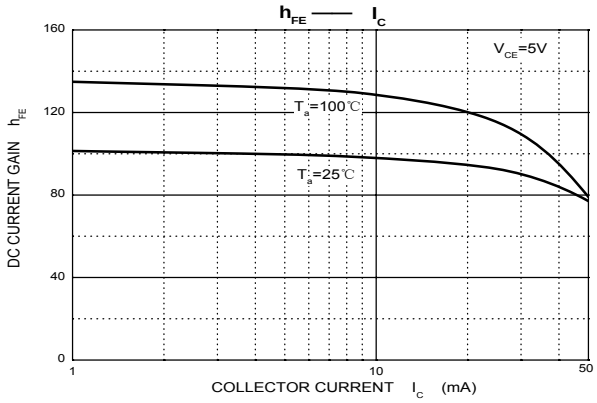
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	VCBO	IC= 100μA, IE=0	30			V
Collector-emitter breakdown voltage	VCEO	IC= 1mA, IB=0	15			V
Emitter-base breakdown voltage	VEBO	IE=100μA, IC=0	5			V
Collector cut-off current	ICB	VCB=12V, IE=0			0.05	μA
Collector cut-off current	ICE	VCE=12V, IB=0			0.1	μA
Emitter cut-off current	IEB	VEB= 3V, IC=0			0.1	μA
DC current gain	hFE(1)	VCE=5V, IC= 1mA	70		190	
Collector-emitter saturation voltage	VCE(sat)	IC=10mA, IB= 1mA			0.5	V
Base-emitter saturation voltage	VBE(sat)	IC=10mA, IB= 1mA			1.4	V
Transition frequency	fT	VCE=5V, IC= 5mA f=400MHz	600			MHz

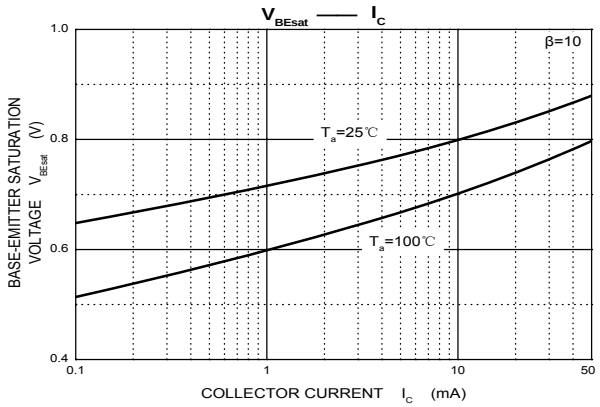
CLASSIFICATION OF h_{FE}

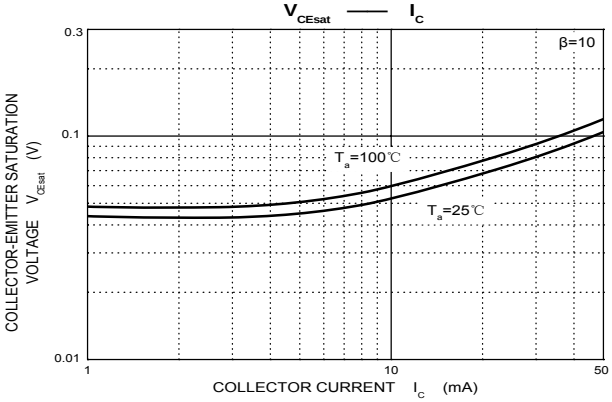
Rank	L	H	
Range	70-110	110-200	

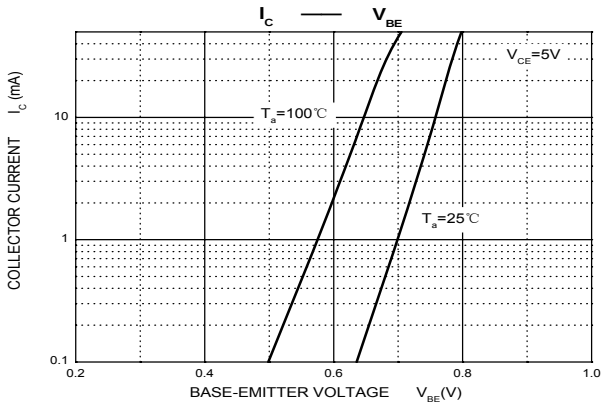
S9018 Typical Characteristics

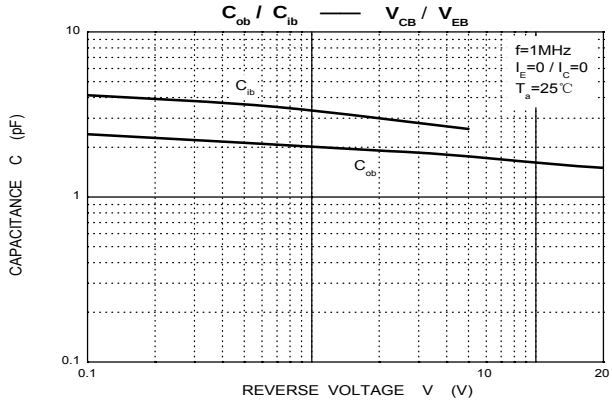


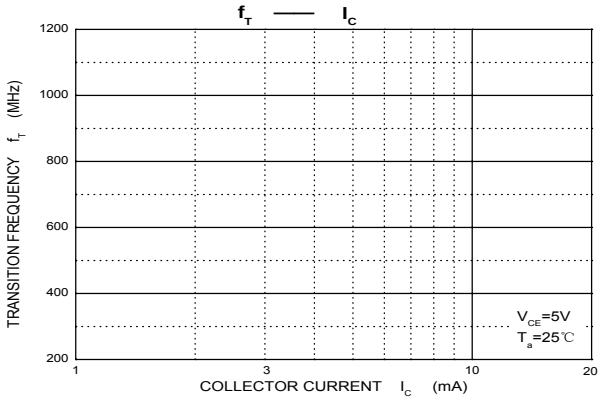


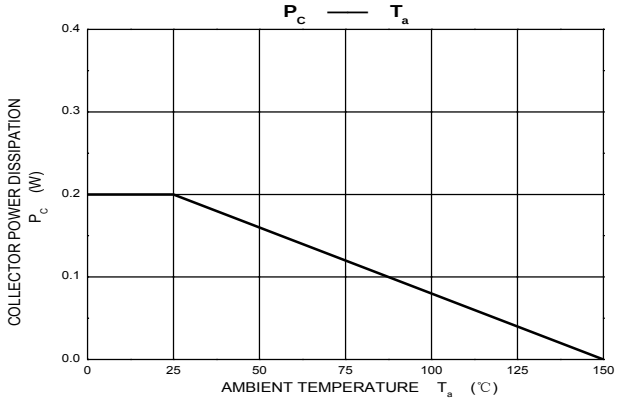












ENTEGRECİ

Bu belge www.entegreci.com üzerinden sunulmaktadır.

Elektronik komponent tedarikinde Entegreci

Entegreci, Eskişehir merkezli, Türkiye geneline satış yapan bir elektronik komponent mağazasıdır. Entegreler (IC), mikrodenetleyiciler, transistörler, diyotlar, pasif elemanlar, konnektörler, modüller ve geliştirme kartları tek adetten seri üretim adetlerine kadar satılır. Ürün sayfalarında güncel stok durumunu, fiyatı ve datasheet bağlantısını bulabilirsiniz.

Parça koduyla arama

Üretici parça numarasını yazın; stok ve fiyatı hemen görün.

www.entegreci.com

Ürün kategorileri

Entegreden kapasitöre tüm elektronik komponent kategorileri.

Kategorilere göz atın

Üreticiler

Aradığınız üreticinin ürünlerini tek sayfada inceleyin.

Üreticileri görün

Toplu alım ve teklif

Listede olmayan ya da yüksek adetli parçalar için teklif isteyin.

Teklif isteyin

www.entegreci.com | **destek@entegreci.com** | **0850 305 90 34**

Entegreci is an online electronic components store based in Türkiye. Search by manufacturer part number to see stock, prices and datasheets for integrated circuits, microcontrollers, transistors, passive components and connectors, or request a quote for parts that are not listed.

Bu sayfa Entegreci tarafından eklenmiştir. Belgenin önceki sayfaları asıl yayıncısına aittir ve içeriği değiştirilmemiştir; en güncel sürüm için belgenin yayıncısına başvurun.