

RF & MICROWAVE TRANSISTORS

MRF406

Description:

MRF406 is designed for 12.5V, 30MHz power amplifier applications.

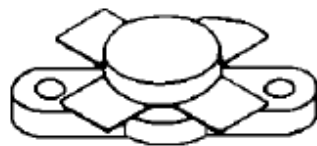
Maximum Ratings at TU = 25

Symbol	Test Conditions	Characteristics		Units
BVCEs	IC=10 mA	Max.	35	V
BVCEO	IC=30 mA	Max.	18	V
BVEBO	IE=5 mA	Max.	4	V
IC		Max.	4	A
Ptot		Max.	80	W
TSTG		Min.	-65	
		Max.	150	
TjM		Max.	175	

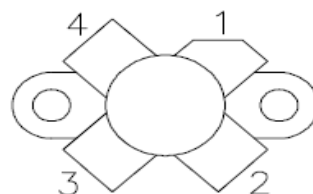
Characteristics at TU = 25 (VCC =12.5 V f=30 MHz)

Symbol	Test Conditions	Characteristics		Units
Pout		Typ.	20* pep	W
GP		Typ.	20	dB
η		Typ.	45	%
hFE	IC = 1A VCE =5V	Typ.	50	
VCEsat	IC = 3A IB =0.6 A	Max.	1.5	V
ICES	VCE =15V	Max.	10	mA
CCBO	VCB =15V	Typ.	200	pF
d3		Max.	< -30	dB

Drawings:



PIN CONNECTION



- 1. Collector
- 2. Emitter
- 3. Base
- 4. Emitter