

High band/VHF FM power transistor

MRF264

Description:

MRF264 is designed for class C VHF mobile radio power amplifier applications operating at 12.5V.

Maximum Ratings at TU = 25

Symbol	Test Conditions	Characteristics		Units
BV _{CES}	I _C =10 mA	Max.	36	V
BV _{CEO}	I _C =30 mA	Max.	18	V
BV _{EBO}	I _E =5 mA	Max.	4	V
I _C		Max.	6	A
P _{tot}		Max.	80	W
T _{STG}		Min.	-65	
		Max.	150	
T _{jM}		Max.	200	

Characteristics at TU = 25 (V_{CC} =12.5 V f=175 MHz)

Symbol	Test Conditions	Characteristics		Units
P _{out}		Typ.	30	W
GP		Typ.	10	dB
		Typ.	60	%
h _{FE}	I _C = 0.5A V _{CE} =5V	Typ.	45	
V _{CEsat}	I _C =0.5A I _B =0.1 A	Max.	1.2	V
I _{CES}	V _{CE} =18V	Max.	5	mA
CC _{BO}	V _{CB} =18V	Typ.	85	pF

Drawings:

