

NPN Silicon RF power transistor

MRF476

Description:

MRF476 is a silicon NPN transistor in a TO220 type case designed for use in high power output amplifier stages such as citizen band communications equipment.

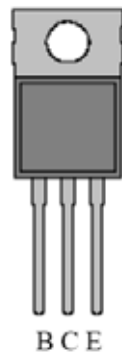
Maximum Ratings:

Symbol	Test Conditions	Characteristics		Units
BV _{CES}	I _C =5 mA	Max.	35	V
BV _{CEO}	I _C =15 mA	Max.	18	V
BV _{EBO}	I _E =3 mA	Max.	4	V
I _C		Max.	1	A
P _{tot}		Max.	8	W
T _{STG}		Min.	-65	
		Max.	150	
T _{JM}		Max.	175	

Characteristics at T_U = 25 (V_{CC} = 12.5 V f = 30 MHz)

Symbol	Test Conditions	Characteristics		Units
P _{out}		Typ.	2.5PEP	W
GP		Typ.	18	dB
		Typ.	45	%
h _{FE}	I _C = 0.5A V _{CE} = 5V	Typ.	50	
V _{CEsat}	I _C = 0.5A I _B = 0.06 A	Max.	1	V
I _{CES}	V _{CE} = 15V	Max.	1	mA
CC _{BO}	V _{CB} = 15V	Typ.	35	pF
d ₃		Max.	< -35	

Drawings:



B C E

TO220