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High band/VHF FM power transistor MRF261

Description:
MRF261 is designed as 10W, 5.2dB, 12.5V, 136-175MHz, TO220 high band/VHF FM transistors.

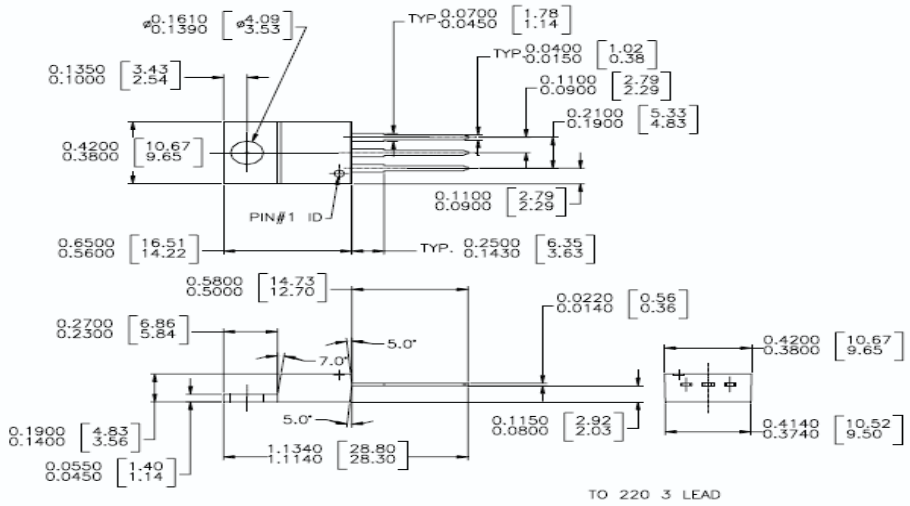
Maximum Ratings at TU = 25℃

Symbol	Test Conditions	Characteristics		Units
BVCES	IC=10 mA	Max.	36	V
BVCEO	IC=30 mA	Max.	18	V
BVEBO	IE=5 mA	Max.	4	V
IC		Max.	2	A
Ptot		Max.	30	W
TSTG		Min.	-65	℃
		Max.	150	℃
TjM		Max.	175	℃

Data at TU = 25℃ (VCC =12.5 V f=175 MHz)

Symbol	Test Conditions	Characteristics		Units
Pout		Typ.	10	W
GP		Typ.	10	dB
η		Typ.	60	%
hFE	IC = 0.5A VCE =5V	Typ.	45	
VCEsat	IC =0.5A IB =0.1 A	Max.	1	V
ICES	VCE =18V	Max.	1	mA
CCBO	VCB =18V	Typ.	50	pF

Drawings:



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