

NPN Silicon RF power transistor

MRF231

Description:

MRF231 is designed for 12.5v, mid-band large signal amplifier applications in industrial and commercial FM equipment operation in the 40-100MHz range.

Features:

Specified 12.5V, 90MHz characteristics

Output Power: 3.5W

Minimum gain: 10dB

Efficiency: 55%

Maximum Ratings

Rating	Symbol	Value	Unit
Collector-Emitter Voltage	Vceo	18	Vdc
Collector-Base Voltage	Vcbo	36	Vdc
Emitter-Base Voltage	Vebo	4.0	Vdc
Collector Current Continuous	Ic	1.0	Adc
Total Device Dissipation@Tc=25C Derate above 25C	Pd	10 57.1	W mW/C
Storage Temperature range	Tstg	-65-200	°C
Stud Torque	-	6.5	In-Lb

Drawings:

CASE145A-01

