

NPN Silicon RF power transistor

MRF235

Description:

MRF235 is designed for 12.5V, mid-band large signal amplifier applications in industrial and commercial FM equipment operation in the 40-100MHz range. Mid band FM transistors.

Features:

Specified 12.5V, 90MHz characteristics

Output Power: 50W

Minimum Gain: 8dB

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	8.0	Adc
Total Device Dissipation@Tc=25C	Pd	130	W
Storage Temperature range	Tstg	-65-200	°C
Stud Torque	-	6.5	In-Lb

Drawings:

CASE145A

