

UHF power transistor

BLU30

DESCRIPTION

N-P-N silicon planar epitaxial transistor primarily intended for use in mobile radio transmitters in the 470 MHz communications band.

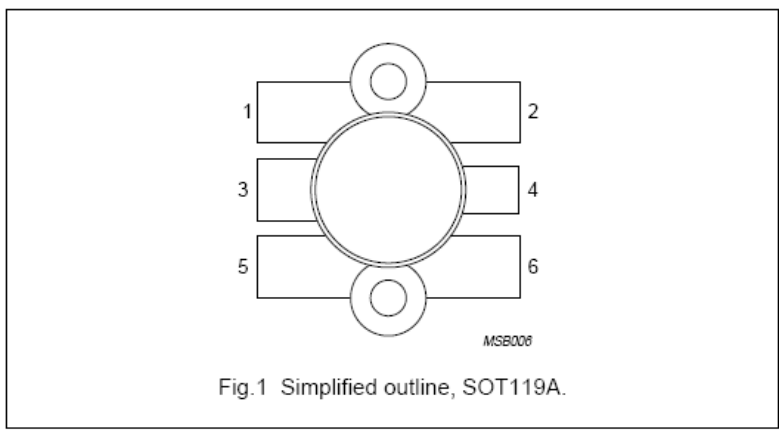
FEATURES:

- * Multi-base structure and emitter-ballasting resistors for an optimum temperature profile
- * Gold metallization ensures excellent reliability
- * Internal matching to achieve an optimum wideband capability and high power gain
- * The transistor has a 6-lead flange envelope with a ceramic cap (SOT-119).

Specifications:

Envelope	SOT-119
Mode of operation	class-B; c.w.
Collector-emitter voltage (d.c.)	V_{CE} 12,5 V
Frequency	f 470 MHz
Load power	P_L 30 W
Power gain	G_P > 6,0 dB
Collector efficiency	η_C > 55 %
Heatsink temperature	T_h 25 °C

Drawings:



PIN	DESCRIPTION
1	emitter
2	emitter
3	base
4	collector
5	emitter
6	emitter