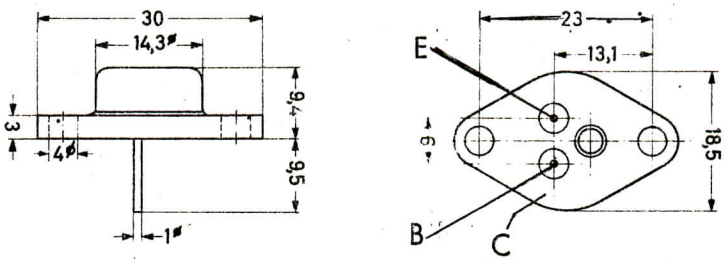
PHILIPS

AD139

development sample data

MEDIUM POWER P-N-P ALLOY JUNCTION TRANSISTOR

The AD139 is a medium power alloy junction transistor of the PNP type designed for an output power of 2 Watt in class A and 4 Watt in class B for battery voltages up to 12 V.



The collector is connected to the envelope. For isolated construction mica insulation washer and insulation tubes can be delivered separately.

Absolute maximum ratings :

Voltages :	collector to base	$-V_{CB}$ = 32V
	collector to emitter	$-V_{CE}$ = 32V
	emitter to base	$-V_{EB}$ = 10V
Currents :	collector d.c. and average ($t_{av} \leqslant 50$ m sec)	$-I_C$ = 1A
	collector peak current	$-I_{CM}$ = 2A
	base current ($t_{av} \leqslant 50$ m sec)	$-I_B$ = 0,2A
Temperature:	junction operation continuous	T_j = 90°C
	storage	T_s = 75°C

Development samples are distributed without guarantee for further supply. Development sample data represent the characteristics and ratings of development samples and are to be regarded as first indications of the ultimate performance to be achieved by the product in development.

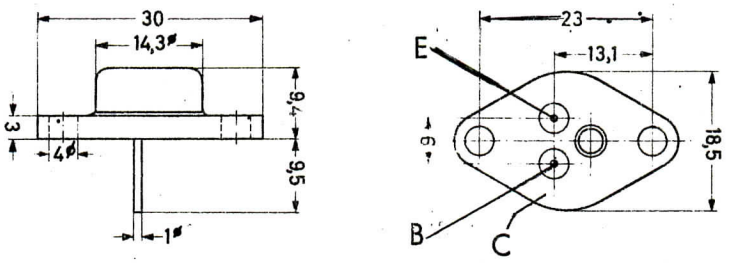
PHILIPS

AD139

development sample data

MEDIUM POWER P-N-P ALLOY JUNCTION TRANSISTOR

The AD139 is a medium power alloy junction transistor of the PNP type designed for an output power of 2 Watt in class A and 4 Watt in class B for battery voltages up to 12 V.



The collector is connected to the envelope. For isolated construction mica insulation washer and insulation tubes can be delivered separately.

Absolute maximum ratings :

Voltages :	collector to base	$-V_{CB}$ = 32V
	collector to emitter	$-V_{CE}$ = 32V
	emitter to base	$-V_{EB}$ = 10V
Currents :	collector d.c. and average ($t_{av} \leqslant 50$ m sec)	$-I_C$ = 1A
	collector peak current	$-I_{CM}$ = 2A
	base current ($t_{av} \leqslant 50$ m sec)	$-I_B$ = 0,2A
Temperature:	junction operation continuous	T_j = 90°C
	storage	T_s = 75°C

Development samples are distributed without guarantee for further supply. Development sample data represent the characteristics and ratings of development samples and are to be regarded as first indications of the ultimate performance to be achieved by the product in development.