



**MIKROELEKTRONIKAI
VÁLLALAT**

Enterprise for Micro-Electronics

**ALKATRÉSZ VÁLASZTÉK
Electronical Components**



TRANSISTORS

AF GERMANIUM ALLOY TRANSISTORS

Type	Structure	Outline	MAXIMUM RATINGS						R_{thjc} (R_{thja}) K/W	TYPICAL CHARACTERISTICS ($T_j = 25^\circ\text{C}$)				Notes	
			V_{CB0} V	V_{CE0} V	V_{EBO} V	I_C A	T_j $^\circ\text{C}$	P_{tot} W		f_T MHz	h_{21E} at I_C A	V_{CEsat} max. at V	I_C at A		
● AC125 ● AC126	PNP PNP	1 1	32 32	12 12	10 10	0.2 0.2	90 90	0.163 ³ 0.163 ³	(400) (400)	1.7 2.3	75 ... 175 125 ... 350	0.05 0.05			F = 4 (max. 10) dB
● AC125(z) ¹ ● AC125F(z) ¹	PNP PNP	1 1	32 32	12 12	12 12	0.25 0.25	75 75	0.125 ³ 0.125 ³	(400) (400)	1.5 1.5	50 ... 250 50 ... 250	0.05 0.05			F = 4 (max. 10) dB F = 3 (max. 5) dB
● AC125K(z) ¹ ● AC125U(z) ¹	PNP PNP	1 1	40 60	12 12	12 12	0.25 0.25	75 75	0.125 ³ 0.125 ³	(400) (400)	1.5 1.5	50 ... 250 50 ... 250	0.05 0.05	0.25 0.25	0.1 0.1	$t_{on} = 0.6 \mu\text{s}$, $t_{off} = 1 \mu\text{s}$
● AC128 ² ● AC176 ● AC128K ² ● AC176K ● AC128(z) ² ● AC187 ● AC188 ● AC187K ● AC188K	PNP NPN PNP NPN PNP NPN PNP NPN PNP	2 2 4 4 2 2 2 4 4	32 32 32 32 32 25 25 25 25	16 18 16 18 16 15 15 15 15	10 10 10 10 10 10 10 10 10	1 1 1 1 1 1 1 1 1	90 90 90 90 75 90 90 90 90	1 ⁴ 1 ⁴ 1 ⁴ 1 ⁴ 0.7 ⁴ 1 ⁴ 1 ⁴ 1 ⁴ 1 ⁴	50 50 55 55 50 50 50 55 55	1.5 3 1.5 3 1.5 3 1.5 3 1.5	50 ... 250 50 ... 250 50 ... 250 50 ... 250 50 ... 250 100 ... 500 100 ... 500 100 ... 500 100 ... 500	0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	1 1 1 1 1 1 1 1 1	complementary pairs: AC128/AC176 AC128K/AC176K AC187/AC188 AC187K/AC188K
● ASZ15 ² ● ASZ16 ² ● ASZ17 ² ● ASZ18 ²	PNP PNP PNP PNP	3 3 3 3	100 60 60 100	60 32 32 32	40 20 20 40	8 8 8 8	90 90 90 90	26 ⁴ 26 ⁴ 26 ⁴ 26 ⁴	2 2 2 2	0.2 0.25 0.22 0.22	15 ... 30 35 ... 80 20 ... 45 20 ... 65	6 6 6 6	0.4 0.4 0.4 0.4	10 10 10 10	$t_{on} = \text{max. } 27 \mu\text{s}$, $t_{off} = \text{max. } 30 \mu\text{s}$, at $I_C = 1 \text{ A}$
● ASZ1015 ² ● ASZ1016 ² ● ASZ1017 ² ● ASZ1018 ²	PNP PNP PNP PNP	3 3 3 3	80 60 60 80	60 32 32 32	40 20 20 40	6 6 6 6	90 90 90 90	22.5 ⁵ 22.5 ⁵ 22.5 ⁵ 22.5 ⁵	2 2 2 2	0.2 0.25 0.22 0.22	15 ... 30 35 ... 80 20 ... 45 20 ... 65	6 6 6 6	1 1 1 1	6 6 6 6	
● OC26 ²	PNP	3	40	20	10	3.5	90	22.5 ⁴	2	0.16	20 ... 55	1	0.8	3	

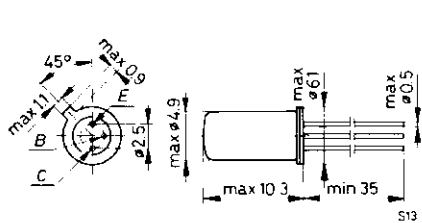


Fig. 1 TO-1

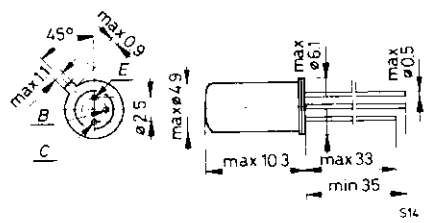


Fig. 2 TO-1

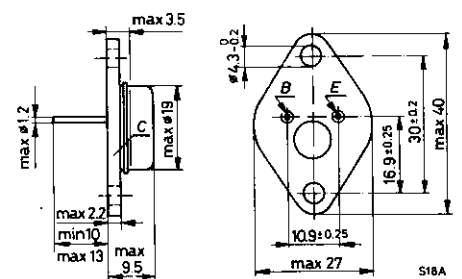


Fig. 3 TO-3

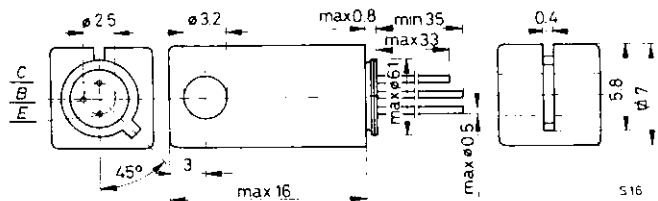


Fig. 4 TO-1 + heat conducting block

¹ Also available in groups h_{21E} .

Type	AC125U(z)		AC125(z), AC125F(z), AC125K(z), AC128(z)		
	V	VI	V	VI	VII
h_{21E} -range	50 ... 100	75 ... 150	50 ... 100	75 ... 150	125 ... 250

² Also available in matched pairs.

³ $T_{amb} \leq 25^\circ\text{C}$.

⁴ $T_{case} \leq 40^\circ\text{C}$.

⁵ $T_{case} \leq 45^\circ\text{C}$.