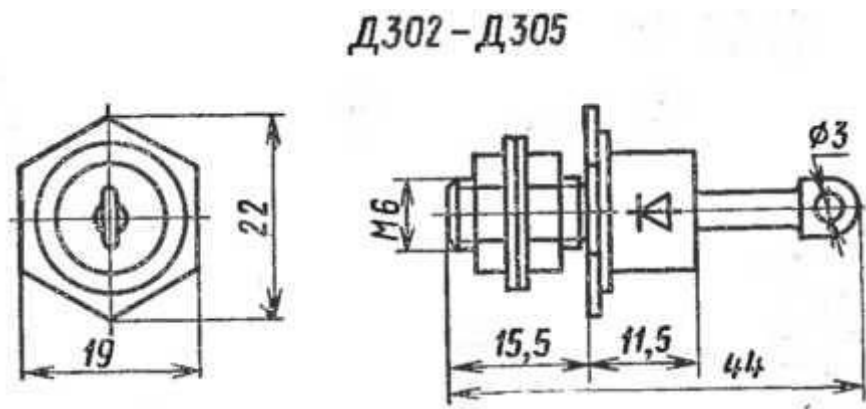




Germanium alloy alloy diodes. Available in a metal-glass case with hard leads. The type of diode and the connection diagram of the electrodes with the leads are given on the housing.

The mass of the diode is not more than 16 g.



Electrical parameters

DC Forward voltage at $I_{pr} = I_{pr.max}$, not more than:	
at $T = + 25\text{ }^{\circ}\text{C}$:	
D302 , D304	0.25 V
D303 , D305	0.3 V
at $T = -60\text{ }^{\circ}\text{C}$:	
D302	0.5 V
D303	0.6 V
D304	0.8 V
D305	1 V
Average reverse current with $U_{ref.and} = U_{re.and.max}$, not more than:	
at $T = + 25\text{ }^{\circ}\text{C}$:	
D302	0.8 mA
D303	1 mA
D304	2 mA
D305	2.5 mA

at T = + 70 ° C:	
D302	3 mA
D303	4 mA
D304	10 mA
D305	20 mA

Performance Limit

Impulse Reverse Voltage:	
at T = -60 ... + 25 ° C:	
D302	200 V
D303	150 V
D304	100 V
D305	50 V
at T = + 40 ° C:	
D302	150 V
D303	140 V
D304	100 V
D305	50 V
at T = + 50 ° C:	
D302 , D303	120 v
D304	100 V
D305	50 V
at T = + 60 ° C:	
D302 , D303	90 V
D304	70 V
D305	50 V
at T = + 70 ° C:	50 V
Average forward current: at T =	
-60 ... + 25 ° C:	
D302	1 A
D303	3 A
D304	5 A
D305	10 A
at T = + 40 ° C:	
D302	1 A
D303	3 A
D304	4 A
D305	8 A
at T = + 50 ° C:	
D302	1 A
D303	2.5 A

D304	3 A
D305	6.5 A
at T = + 60 ° C:	
D302	0.9 A
D303	2 A
D304	2.5 A
D305	5 A
at T = + 70 ° C:	
D302	0.8 A
D303	1.5 A
D304	1.8 A
D305	3 A
Average forward overload current for 0.5 s:	
D302	4 Ipr.msmax
D303	1.5 Ipr.msmax
D304	2.5 Ipr.ms.max
D305	2 Iprov.max.
Frequency without reducing electrical modes	5 kHz
Ambient temperature	- 60 ° C ... Tk = + 80 ° C

Serial and parallel connection of diodes is allowed. When connected in series, each diode must be bridged with a resistor with a resistance of 10 ... 15 kOhm. With a parallel connection, diodes with close values of the direct voltage drop should be selected.