

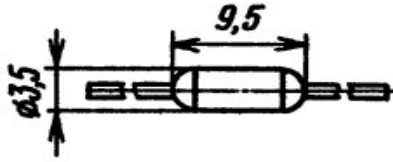
Diode D9

Д9

Datasheet info credit to:

<https://rudatasheet.ru/diodes/d9/>

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Description

Diodes germanium, point. Are issued in the glass case with flexible conclusions. Marked with dots or rings on the case:

D9B - red, D9V - orange, D9G - yellow, D9D - white, D9E - blue, D9Zh - green, D9I - two yellow, D9K - two white,

D9L - two green, D9M - two blue. A positive lead is indicated by a red dot. Diode weight no more than 0.3 g,

Diode D9 parameters

Parameter	Designation	Marking	Meaning	Unit rev.
Analogues		D9V	AA137, 1N87	
Maximum DC reverse voltage.	$U_{o6p \max}$, $U_{o6p \text{ and } \max}$	D9B	ten	AT
		D9V	thirty	
		D9G	thirty	
		D9D	thirty	
		D9E	thirty	
		D9Zh	fifty	
		D9I	100	
		D9K	thirty	
		D9L	thirty	
		D9M	100	
Maximum direct forward current.	$I_{pr \max}$, $I_{pr \text{ cf } \max}$, $I^*_{pr \text{ and } \max}$	D9B	40	mA
		D9V	20	
		D9G	thirty	
		D9D	thirty	
		D9E	20	
		D9Zh	fifteen	
		D9I	thirty	
		D9K	thirty	
		D9L	fifteen	
		D9M	thirty	
Maximum operating frequency of the diode	$f_{d \max}$	D9B	100	kHz
		D9V	100	
		D9G	100	
		D9D	100	
		D9E	100	
		D9Zh	100	
		D9I	100	
		D9K	100	
		D9L	100	
		D9M	100	
DC forward voltage	U_{pr} no more (at I_{pr} , mA)	D9B	1 (90)	AT
		D9V	1 (10)	
		D9G	1 (30)	
		D9D	1 (60)	
		D9E	1 (30)	
		D9Zh	1 (10)	
		D9I	1 (30)	
		D9K	1 (60)	
		D9L	1 (30)	
		D9M	1 (60)	

Constant reverse current	I_{arr} no more (at U_{arr} , V)	D9B	250 (10)	uA
		D9V	250 (30)	
		D9G	250 (30)	
		D9D	250 (30)	
		D9E	250 (30)	
		D9Zh	250 (50)	
		D9I	120 (100)	
		D9K	60 (30)	
		D9L	250 (30)	
		D9M	250 (100)	
Reverse recovery time is the time it takes a diode to switch from a given forward current to a given reverse voltage from the moment the current passes through zero until the reverse current reaches the set value.	$t_{up, arr}$	D9B	—	ms
		D9V	—	
		D9G	—	
		D9D	—	
		D9E	—	
		D9Zh	—	
		D9I	—	
		D9K	—	
		D9L	—	
		D9M	—	
Total capacity	C_d (at U_{arr} , V)	D9B	—	pF
		D9V	—	
		D9G	—	
		D9D	—	
		D9E	—	
		D9Zh	—	
		D9I	—	
		D9K	—	
		D9L	—	
		D9M	—	