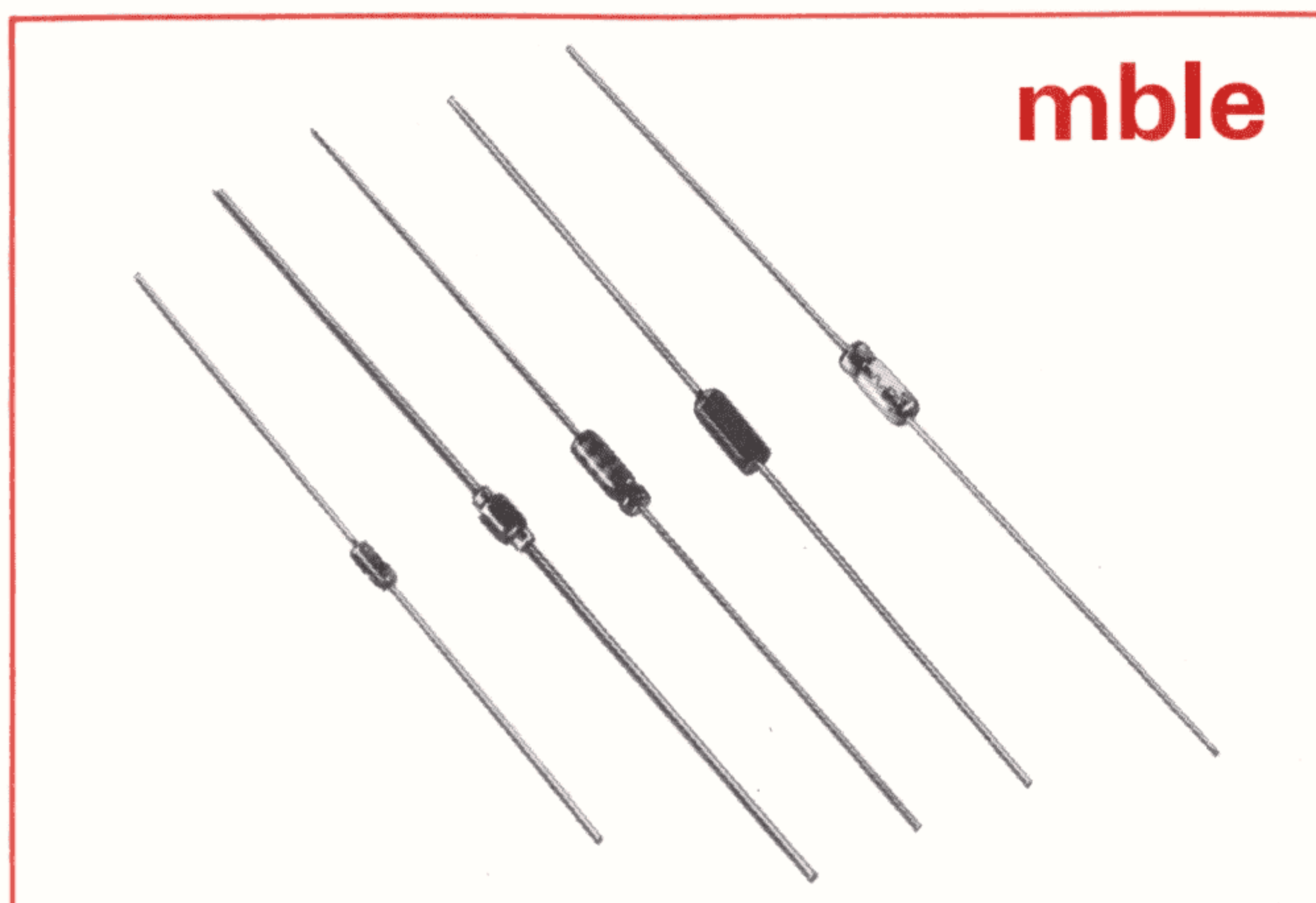


# voltage regulator diodes

mble



## Low power voltage regulator diodes

- low leakage current
- low differential resistance
- low capacitance
- sharp knee
- high surge immunity
- standard or custom specifications
- standardized envelopes
- types in DO-35 envelope bandolier packed

Quoted values are max.

$P_{tot}$ up to $T_{amb}$	mW °C	400 50	400 50	400 50	1300 25	1300 20
Voltage tolerance	%	2 or 5 <sup>1)</sup>	5	5	5	5
$I_{FRM}$	mA	250	250	—	1000	1000 <sup>4)</sup>
$I_{ZRM}$	mA	—	250	250	—	—
$P_{ZSM}$ $t = 100 \mu s$ $T_j = 150 °C$	W	30	15	—	100 <sup>2)</sup>	—
Status		D	C	C	D	N
Case		DO-35	DO-7	DO-7	DO-15	SOD-35
Series number		1N57... BZX79...	BZY88...	1N7...	BZX61...	BZX87...*
Voltage range						
See Stabistors		1,4 2,1 2,8 3,3 3,6 3,9 4,3 4,7 5,1 5,6 6,2 6,8 7,5 8,2 9,1 10 11 12 13 15 16 18 20 22 24 27 30 33 36 39 43 47 51 56 62 68 75				
		B = 2% C = 5% 3) 10 5 2	C3V3 C3V6 C3V9 C4V3 C4V7 C5V1 C5V6 C6V2 C6V8 C7V5 C8V2 C9V1 5 C10 C11 C12 C13 C15 C16 C18 C20 C22 C24 C27 C30	48A 49A 50A 51A 52A 53A 54A 55A 56A 57A 58A — 59A 20	C5V1 50 C5V6 C6V2 C6V8 C7V5 C8V2 C9V1 20 C10 C11 C12 C13 C15 C16 C18 C20 C22 C24 10 C27 C30 C33 C36 C39 C43 C47 C51 5 C56 C62 C68 C75	

1) 1 % on request  
 2)  $T_{amb} - 55 °C$  to  $+25 °C$   
 3) Note well. In Jedec code  
 B = 5 %; C = 2 %  
 4)  $I_Z$   
 \* Awaiting production release

current in mA at which voltage is specified