

Z - DIODES

Epi Z[®]

BZX 46 C 2V7...
...BZX 46 C 43

Involucro
Outline JEDEC DO-35



Misure in mm. - Peso 0,15 gr.
Dimensions in mm. - Weight 0,15 gr.

Stampigliatura: anello dalla parte del
catodo in chiaro:

Marking : ring at cathode end in clear:

BZX
46 C

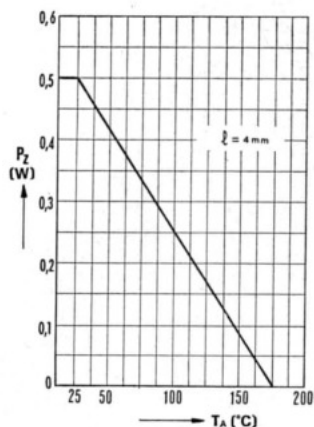
$P_Z \text{ max} = 500 \text{ mW}$
 $V_{ZT} = 2,7 \text{ a } 43 \text{ V}$

VALORI MASSIMI ASSOLUTI

Absolute maximum ratings

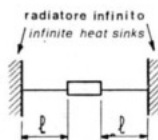
($T_A = 25^\circ\text{C}$)

Potenza dissipata (1) Power dissipation	P_Z	0,5	W
Potenza dissipata di picco non ripetitivo $t_p = 10 \text{ ms}$ Non repetitive peak power dissipation	P_{ZSM}	1,25	W
Corrente continua permanente Continuous reverse current (1)	I_Z	$\frac{500}{V_Z}$	mA
Corrente di picco non ripetitivo Non repetitive peak reverse current	I_{ZSM}	$\frac{1250}{V_Z}$	mA
Temperatura di funzionamento (a dissipazione nulla) Operating temperature (at zero dissipation)	T_{OP}	- 55 + 175	$^\circ\text{C}$
Temperatura di immagazzinamento Storage temperature	T_S	- 55 + 175	$^\circ\text{C}$



(1) Valori massimi definiti per
 $l = 4 \text{ mm}$.

Ratings defined for $l = 4 \text{ mm}$.



BZX 46 C 2V7... ...BZX 46 C 43

CARATTERISTICHE GENERALI

General characteristics

$T_A = 25\text{ }^{\circ}\text{C}$

	V_Z^*			I_{ZT}	r_{ZT}	I_{ZT}	r_{ZK}	I_{ZK}	αV_Z		I_R	V_R
	@				@		@				@	
	(V)			(mA)	(Ω)	(mA)	(Ω)	(mA)	(°/°C)		(μ A)	(V)
	min.	nom.	max.		max.		max.		min.	max.	max.	
BZX 46 C 2V7	2,5	2,7	2,9	20	30	20	700	1	—0,08	—0,06	75	1
BZX 46 C 3V0	2,8	3,0	3,2	20	29	20	700	1	—0,08	—0,06	50	1
BZX 46 C 3V3	3,1	3,3	3,5	20	28	20	700	1	—0,08	—0,05	10	1
BZX 46 C 3V6	3,4	3,6	3,8	20	24	20	700	1	—0,08	—0,04	10	1
BZX 46 C 3V9	3,7	3,9	4,1	20	23	20	700	1	—0,07	—0,03	10	1
BZX 46 C 4V3	4,0	4,3	4,6	20	22	20	700	1	—0,04	—0,01	2	1
BZX 46 C 4V7	4,4	4,7	5,0	20	19	20	700	1	—0,03	+0,01	2	1
BZX 46 C 5V1	4,8	5,1	5,4	20	17	20	700	1	—0,02	+0,05	1	1
BZX 46 C 5V6	5,2	5,6	6,0	20	11	20	700	1	—0,01	+0,06	1	2
BZX 46 C 6V2	5,8	6,2	6,6	20	7,5	20	700	1	0	+0,07	1	3
BZX 46 C 6V8	6,4	6,8	7,2	18,5	4,5	18,5	700	1	+0,01	+0,08	5	4,8
BZX 46 C 7V5	7,0	7,5	7,9	16,5	5,5	16,5	700	0,5	+0,01	+0,09	5	5,3
BZX 46 C 8V2	7,7	8,2	8,7	15	6,5	15	700	0,5	+0,01	+0,09	5	5,8
BZX 46 C 9V1	8,5	9,1	9,6	14	7,5	14	700	0,5	+0,02	+0,10	5	6,4
BZX 46 C 10	9,4	10	10,6	12,5	8,5	12,5	700	0,25	+0,03	+0,11	5	7,0
BZX 46 C 11	10,4	11	11,6	11,5	9,5	11,5	700	0,25	+0,03	+0,11	5	8,4
BZX 46 C 12	11,4	12	12,7	10,5	11,5	10,5	700	0,25	+0,03	+0,11	5	9,1
BZX 46 C 13	12,4	13	14,1	9,5	13	9,5	700	0,25	+0,03	+0,11	5	9,9
BZX 46 C 15	13,8	15	15,6	8,5	16	8,5	700	0,25	+0,03	+0,11	5	11,4
BZX 46 C 16	15,3	16	17,1	7,8	17	7,8	700	0,25	+0,03	+0,11	5	12,2
BZX 46 C 18	16,8	18	19,1	7	21	7	750	0,25	+0,03	+0,11	5	13,7
BZX 46 C 20	18,8	20	21,2	6,2	25	6,2	750	0,25	+0,03	+0,11	5	15,2
BZX 46 C 22	20,8	22	23,3	5,6	29	5,6	750	0,25	+0,03	+0,11	5	16,7
BZX 46 C 24	22,8	24	25,6	5,2	33	5,2	750	0,25	+0,04	+0,12	5	18,2
BZX 46 C 27	25,1	27	28,9	4,6	41	4,6	750	0,25	+0,04	+0,12	5	20,6
BZX 46 C 30	28	30	32	4,2	49	4,2	1000	0,25	+0,04	+0,12	5	22,8
BZX 46 C 33	31	33	35	3,8	58	3,8	1000	0,25	+0,04	+0,12	5	25,1
BZX 46 C 36	34	36	38	3,4	70	3,4	1000	0,25	+0,04	+0,12	5	27,4
BZX 46 C 39	37	39	41	3,2	80	3,2	1000	0,25	+0,04	+0,12	5	29,7
BZX 46 C 43	40	43	46	3	93	3	1500	0,25	+0,04	+0,12	5	32,7

NB A richiesta tolleranza $\pm 2\%$

On request tolerance $\pm 2\%$

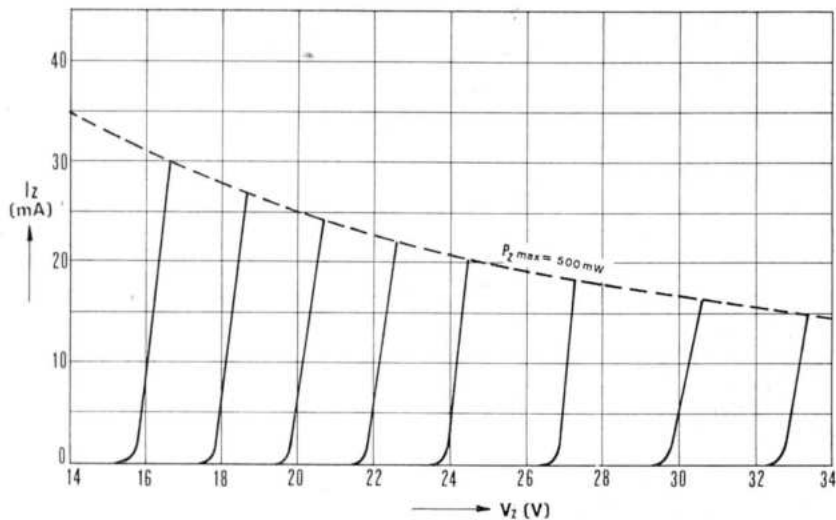
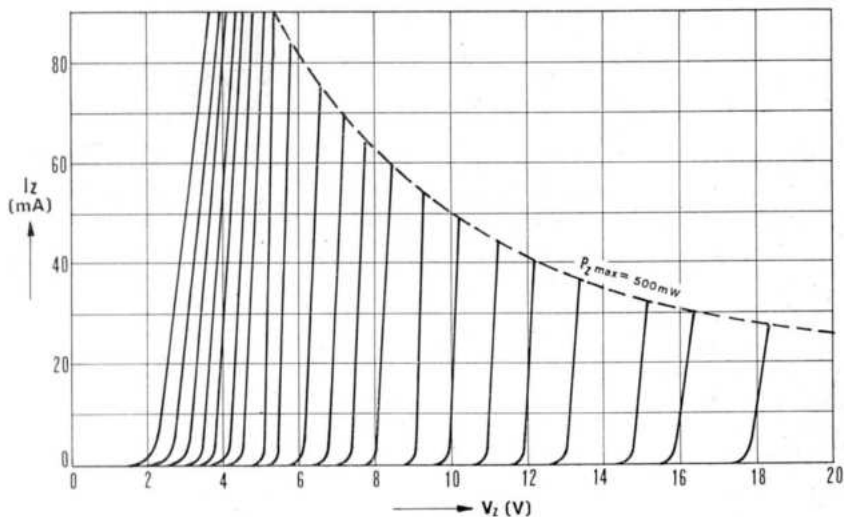
* Misurato ad impulsi $t_p \leq 100\text{ ms}$

Pulsed

			Min	Typ	Max	
Tensione diretta Forward voltage	$I_F = 200\text{ mA}$	V_F			1,5	V

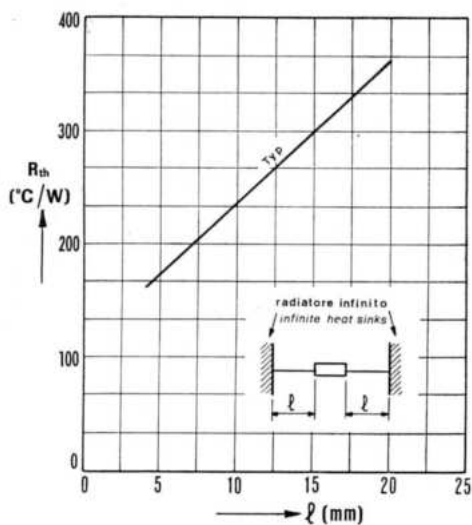
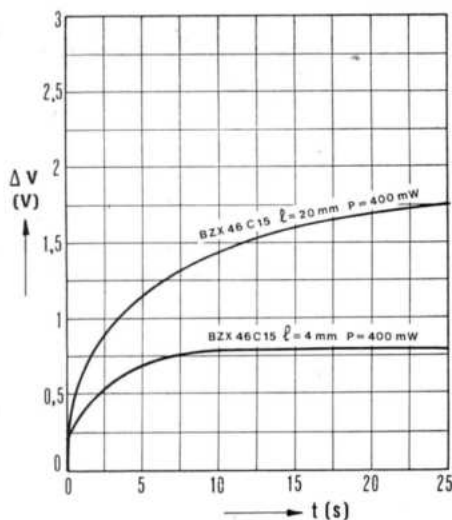
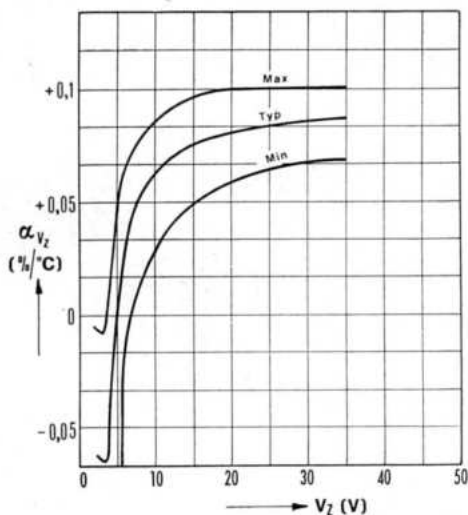
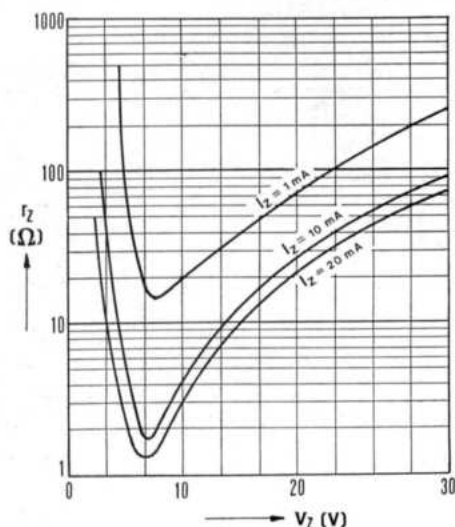
BZX 46 C 2V7...
...BZX 46 C 43

Caratteristiche tipiche
Typical characteristics

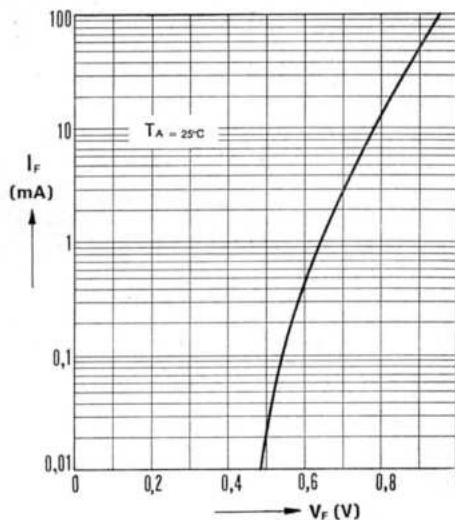
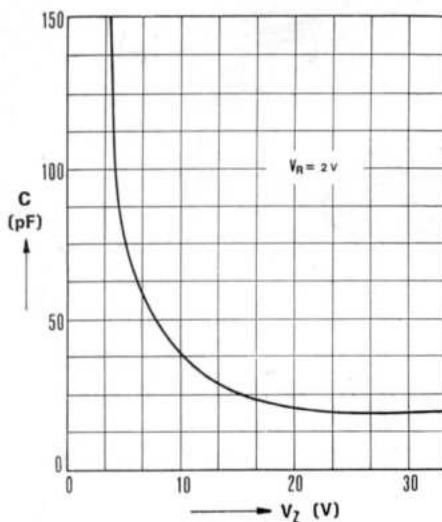


BZX 46 C 2V7... **...BZX 46 C 43**

Caratteristiche tipiche *Typical characteristics*



Caratteristiche tipiche
Typical characteristics



BZX 46 C 2V7... **...BZX 46 C 43**

Caratteristiche tipiche *Typical characteristics*

