TOSHIBA Zener Diode Silicon Epitaxial Type

CRY62~CRZ47

Use in Communication, Automation and

www.datacheet4u.com Measurement Equipment

Constant Voltage Regulation

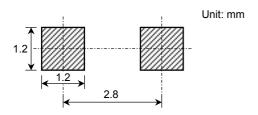
Transient Suppressors

- Average power dissipation: P = 0.7 W
- Zener voltage: $VZ = 6.2 \sim 47 \text{ V}$
- Suitable for compact assembly due to small surface mount package "S-FLATTM" (Toshiba package name)

Maximum Ratings (Ta = 25°C)

Characteristic	Symbol	Rating	Unit
Power dissipation	Р	700	mW
Junction temperature	Tj	-40 ~ 150	°C
Storage temperature range	T _{stg}	− 40 ~ 150	°C

Standard Soldering Pad



3-2A1A

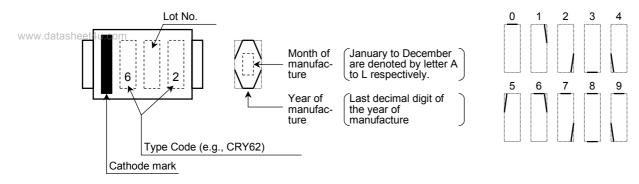
Weight: 0.013 g (typ.)

TOSHIBA

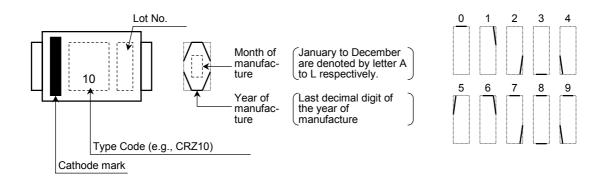
Marking

Following Indicates the Date of Manufacture

CRY62~CRY91

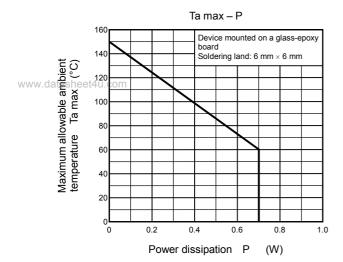


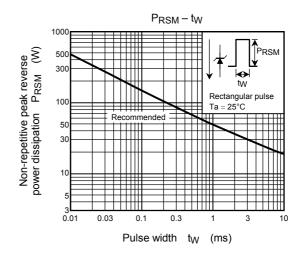
CRZ10~CRZ47

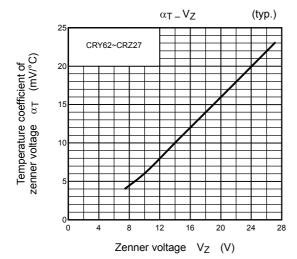


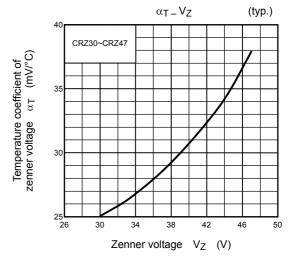
Electrical Characteristics (Ta = 25°C)

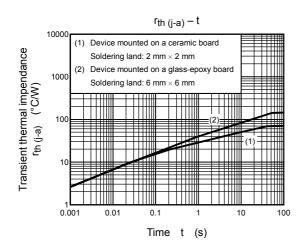
		Zener Voltage			Zener Impedance		Temperature Coefficient		Forward Voltage		Reverse Current		
www.datas	Product No.	Vz (V)		Measure- ment Current Iz	r_d Measure- ment Current I_Z	of Zener Voltage α _T (mV / °C)		V _F (V)	Measure -ment Current I _F	I _R (μΑ)	Measure- ment Voltage V _R		
		Min	Тур.	Max	(mA)	Max	(mA)	Тур.	Max	Max	(A)	Max	(V)
	CRY62	5.6	6.2	6.8	10	60	10	2	3	1.0	0.2	10	3.0
	CRY68	6.2	6.8	7.4	10	60	10	3	4	1.0	0.2	10	3.0
	CRY75	6.8	7.5	8.3	10	30	10	4	5	1.0	0.2	10	4.5
	CRY82	7.4	8.2	9.0	10	30	10	4	6	1.0	0.2	10	4.9
	CRY91	8.2	9.1	10.0	10	30	10	5	8	1.0	0.2	10	5.5
	CRZ10	9.0	10.0	11.0	10	30	10	6	9	1.0	0.2	10	6.0
	CRZ11	9.9	11.0	12.1	10	30	10	7	11	1.0	0.2	10	7.0
	CRZ12	10.8	12.0	13.2	10	30	10	8	13	1.0	0.2	10	8.0
	CRZ13	11.7	13.0	14.3	10	30	10	9	14	1.0	0.2	10	9.0
	CRZ15	13.5	15.0	16.5	10	30	10	11	17	1.0	0.2	10	10.0
	CRZ16	14.4	16.0	17.6	10	30	10	12	19	1.0	0.2	10	11.0
	CRZ18	16.2	18.0	19.8	10	30	10	14	23	1.0	0.2	10	13.0
	CRZ20	18.0	20.0	22.0	10	30	10	16	26	1.0	0.2	10	14.0
	CRZ22	19.8	22.0	24.2	10	30	10	18	28	1.0	0.2	10	16.0
	CRZ24	21.6	24.0	26.4	10	30	10	20	32	1.0	0.2	10	17.0
	CRZ27	24.3	27.0	29.7	10	30	10	23	36	1.0	0.2	10	19.0
	CRZ30	27.0	30.0	33.0	10	30	10	25	40	1.0	0.2	10	21.0
	CRZ33	29.7	33.0	36.3	10	30	10	26	41	1.0	0.2	10	26.4
	CRZ36	32.4	36.0	39.6	9	30	9	28	45	1.0	0.2	10	28.8
	CRZ39	35.1	39.0	42.9	8	35	8	30	48	1.0	0.2	10	31.2
	CRZ43	38.7	43.0	47.3	7	40	7	33	53	1.0	0.2	10	34.4
	CRZ47	42.3	47.0	51.7	6	65	6	38	60	1.0	0.2	10	37.6











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