SPECIFICATION

KV1320

Dete of Issue

TABLE OF CONTENTS

- 1. Purpose
- 2. TOKO Part Number
- 3. Application
- 4. Structure
- 5. Package outline.

Pin layout

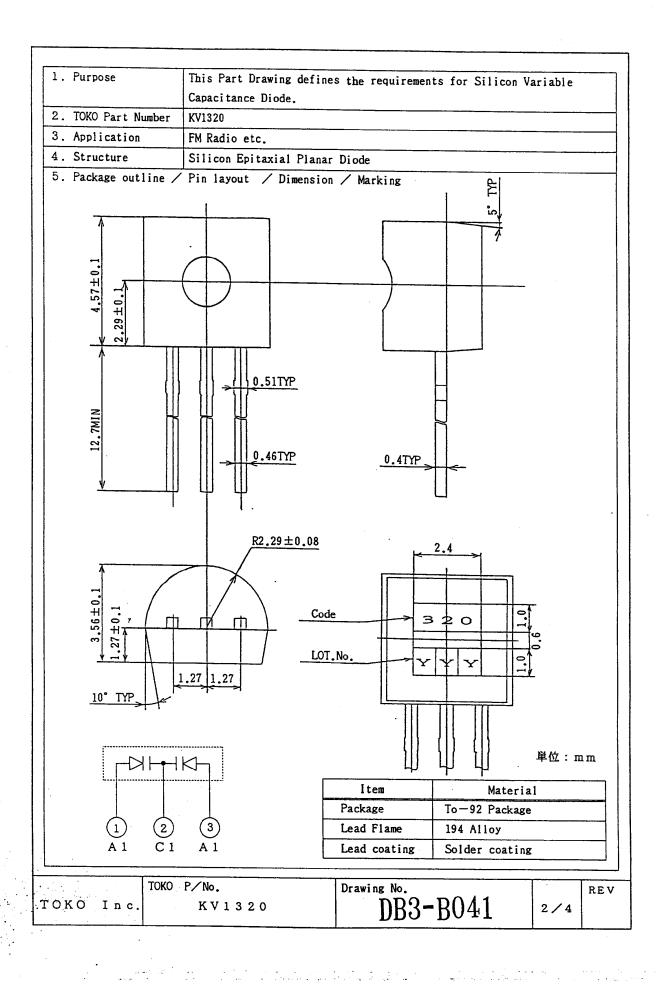
Dimension

Marking

- 6. Absolute maximum ratings
- 7. Electrical characteristics
- 8. Outgoing Inspection
- 9. Others

SIGNATURE	DA	ΤE
DRAWN		
T, Kasahara	Jun. 20	c+h, 89
CHECK		, .
M. Tanaka	June, 2	0, 129
ENGINEER		, '
M. Hanafusca	6.2	3.89
Drawing No.		REV
DB3-B041	1/4	

TOKO Inc. TOKO P/No. KV1320



6. Absolute maximum ratings.

Parameter	Symbo1	Rating	Unit	Conditions
Reverse voltage	V _R	30	V	Ta=25℃
Forward current	Ir .	50	mA	
Power dissipation	Po	100	Wan	
Storage temperature	Tstg	−55 ~ +150	rc	
Operating temperature	Тор	−55 ~ +80	٣	
In-output frequency	fmax	600	MHz	

- 7. Electrical characteristics. (Condition: Ta=25°C)
 - 7-1. Electrical characteristics.

Parameter	Symbol Symbol	min	typ	max	Unit	Conditions
Reverse voltage	V _R	30			V	$I_R = 10 \mu A$
Reverse current	IR			100	пA	$V_R = 25V$
Diode capacitance	C7	79.59		92.32	pF	$V_R = 7V$, $f = 1MHz$
	C13	48.51		57.39	pF	$V_R = 13V$, $f = 1MHz$
	C19	34.65		40.99	pF	$V_R = 19V$, $f = 1MHz$
	C25	27.86		32.97	pF	$V_R = 25V$, $f = 1MHz$
Inter-terminal Capacitance Tolerance	ΔC			3	%	V _R =7 ,13 ,19 ,25V
Series Resistance	Rs			0.5	Ω	$V_R = 7V$, $f = 70MHz$
Temperature Coef.	TCc		150		ppm∕°C	$V_R = 10V$
Capacitace ratio	Α	2.57	2.8	3.03		C7/C25 , $f=1MHz$

Notes: 1. Capacitance given above is measured in parallel connections.

- 2. Capacitance measured with YHP 4279A or equivalent instruments. (at Level $20 \text{mV} \pm 5 \text{Vrms}$)
- 3. Series resistance measurered with YHP 4191A or equivalent instruments.
- 4. KV1320-3; Parts to be packed in the multiple quantity of three. KV1320-4; Parts to be packed in the multiple quantity of four. KV1320-5; Parts to be packed in the multiple quantity of five.

KV1320-6; Parts to be packed in the multiple quantity of six.

	TOKO P/No.	Drawing No.		REV
TOKO Inc.	K V 1 3 2 0	DB3-B041	3/4	

7-2. Grouping

(Unit:pF)

	No.	1	2	3	4	5	6	7	8	9	Α	В	С
C7	min	89.63	87.87	86.15	84.46	82.80	81.18	79.59					
C/	max	92.32	90.51	88.73	86.99	85.28	83.62	81.98					
C13	min				55.72	54.63	53.56	52.51	51.48	50.47	49.48	48.51	
C13	max				57.39	56.27	55.17	54.09	53.02	51,98	50.96	49.97	
C10	min					39.80	39.02	38.25	37.50	36.77	36.05	35.34	34.65
C19	max					40.99	40.19	39.40	38.62	37.87	37.13	36.40	35.69
C25	min				32.01	31.38	30.76	30.16	29.57	28.99	28.42	27.86	
C23	max				32.97	32.32	31.68	31.06	30.46	29.86	29.27	28.70	

Example of Group Numbering

Note: Measurement error within 0.3pF may cause the change of capacitance rank.

8. Outgoing Inspection

These inspections below are performed prior to outgoing our product.

- 8-1. 100% Inspection for the electrical characteristies in paragraph 7.
- 8-2. External Visual Inspection.
- 8-3. Q.A. Sampling Inspection.

(AQL 0.15% Usually Level II normal sampling for 8-1 and 8-2)

9. Others

In the event of emergence of any doubt concerning this "Specifications", both parties shall settle such doubt through considerations.

		ТОКО	P/No.	Drawing No.		REV
токо	Inc.		K V 1 3 2 0	DB3-B041	4/4	