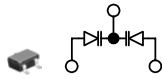
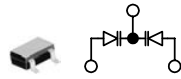


8V series variable capacitance diode for FM tuning
8V系FMチューナ用電圧可変容量ダイオード



KV1700R
(SOT23C-3)



KV1700S
(SOT23-3)

FEATURES

- Included Twin Element
- Very Small Tolerance of Element Being Next Device To Each Other
- Excellent Linearity of The CV Curve
- Extra Large Capacitance Ratio: A=2.70 to
- Very Small Series Resistance: R_S =to 0.3 Ω
- ツインタイプ素子1組搭載
- 小さい隣接デバイス間容量偏差
- CV特性の優れた直線性
- 極めて大きな容量変化比: A=2.70~
- 小さい直列抵抗: R_S =~0.3 Ω

CLASSIFICATION

C	Rank					
	1	2	3	4	5	
C ₂	MIN	68.86	70.82	72.80	74.85	76.96
	MAX	71.52	73.53	75.61	77.74	79.93

SELECTION CHARTS

Type	V _{R,MAX} (V)	Capacitance(pF)				Capacitance ratio				R _{S,MAX}	C tolerance ΔC_{MAX}	I _F (mA)	P _D (mW)	T _{STG} (°C)	T _{OP} (°C)
		Min.	Typ.	Max.	V _R (V)	Min.	Typ.	Max.	V _R (V)						
KV1700R	14	68.86 23.28		79.93 27.40	2 8	2.70		3.20	2/8	0.3 @3V 100MHz		50	100	-55 to 150	-55 to 85
KV1700S	14	68.86 23.28		79.93 27.40	2 8	2.70		3.20	2/8	0.3 @3V 100MHz		50	100	-55 to 150	-55 to 85

- * Capacitance measured in parallel connections.
容量値は、Back to Back Typeの2つのダイオードの平均値です。
- * Diode Capacitance measured with Agilent 4279A or equivalent instruments (at OSC level 20±5mVrms)
容量測定器は、Agilent 4279A又は相当品。OSCレベル 20±5mVrms。
- * Resistance meter is Agilent 4291B or equivalent instruments.
直列抵抗測定器は、Agilent 4291B又は相当品。
- * The tolerance of element that is next to each other in same reel is within 3% at C₂, C₅ and C₈.
同一リール内で隣接する素子のC₂、C₅、C₈の容量偏差は3.0%以内。

TYPICAL CHARACTERISTICS

- Capacitance versus Reverse Voltage
逆方向電圧対容量 f=1MHz, T_A=25°C
- Series Resistance versus Frequency
周波数対直列抵抗 V_R=1.5V, T_A=25°C

