

TKV2680A

8V Series VCD for AM Tuning
8V系AM用VCD

Feature

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|--|---------------------------------------|
| ■ Included Twin Element | ■ ツインタイプ素子1組内蔵 |
| ■ Excellent Matching Between Elements | ■ 優れた素子間マッチング |
| ■ Excellent Linearity of the C-V Curve | ■ C-V特性の優れた直線性 |
| ■ Extra Large Capacitance Ratio: A=18.5 to | ■ 極めて大きな容量変化比: A=18.5~ |
| ■ Reverse Voltage $V_R=20V$ | ■ 逆方向電圧 $V_R=20V$ |
| ■ Forward Current $I_F=50mA$ | ■ 順方向電流 $I_F=50mA$ |
| ■ Operating Temp. Range $T_{OP}=-55$ to $+85^{\circ}C$ | ■ 動作温度範囲 $T_{OP}=-55\sim+85^{\circ}C$ |

Electrical Characteristics

Part Name	$V_{R,MAX}$ (V)	Capacitance(pF)				Capacitance Ratio				Q_{MIN} @1V 1MHz	C tolerance ΔC_{MAX}
		Min.	Typ.	Max.	$V_R(V)$	Min.	Typ.	Max.	$V_R(V)$		
TKV2680A	20	446.0 19.0		510.0 27.0	1 8	18.5			1/8	200	1.0%($V_R=1V$) 2.0%($V_R=4,8V$)

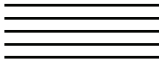
* Diode Capacitance measured with Agilent 4279A or equivalent instruments (at OSC level $20\pm5mV_{rms}$)
容量測定器は、Agilent 4279A又は相当品。OSCレベル $20\pm5mV_{rms}$ 。
* The value of capacitance is the average of 2 back to back type diodes.
容量値はBack to Back Typeの2つのダイオードの平均値です。

Classification

C	Rank1	Rank2
$C_{1,MIN}(pF)$	446.0	475.0
$C_{1,MAX}(pF)$	481.0	510.0

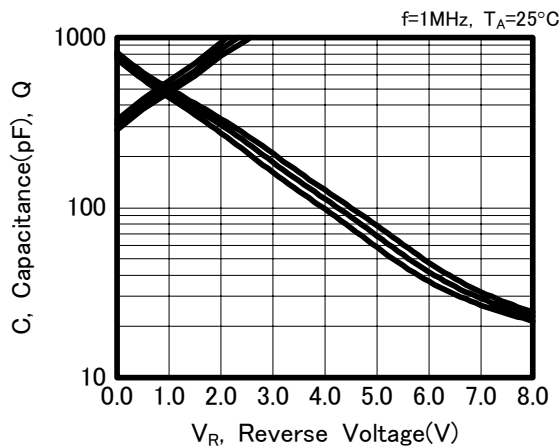
Ordering Guide, Pin Layout, Marking

Part Name	Ordering Name	Pin Layout	Marking	Description	Order Size
TKV2680A	TKV2680AS2G0L			TKV2680A: Part Name S2: SOT23-3 Package G0: PB-Free L: Tape&Reel, Left	3,000 pcs. /Reel

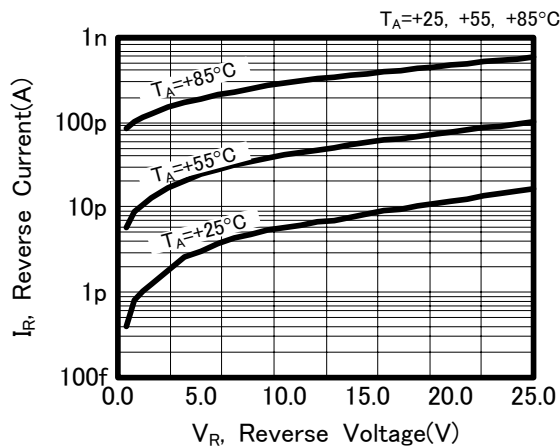


Typical Characteristics

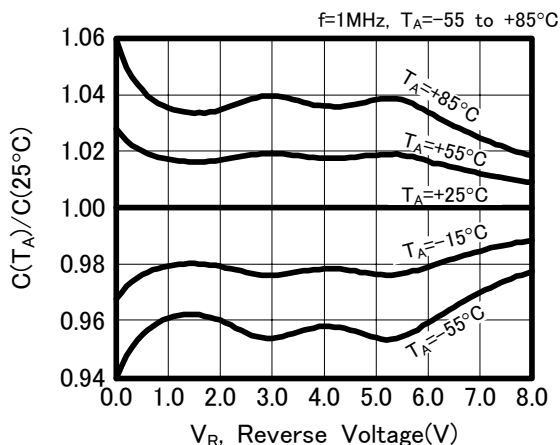
Capacitance, Q vs. Reverse Voltage
逆方向電圧対容量、Q



Reverse Current vs. Reverse Voltage
逆方向電圧対逆電流



$C(T_A)/C(25^\circ\text{C})$ vs. Reverse Voltage
逆方向電圧対 $C(T_A)/C(25^\circ\text{C})$



Capacitance Temp. Coefficient vs. Reverse Voltage
逆方向電圧対温度係数

