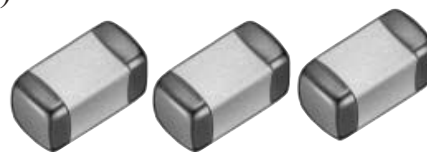


高周波積層セラミックコンデンサ

MULTILAYER CERAMIC CAPACITORS

FOR HIGH FREQUENCY APPLICATIONS(1GHz+)

OPERATING TEMP. -55~+125°C



リフロー/REFLOW

特長 FEATURES

- ・積層磁器コンデンサとしては高いQ値が高周波で得られる
- ・1005形状であるため、実装密度の向上、軽量化が図れる
- ・ Q values in the high frequency range (1 GHz+) are excellent compared to other types of multilayer capacitors.
- ・ The 1005(0402) case size is designed for high density mounting and weight reduction in various applications.

用途 APPLICATIONS

- ・高周波におけるコンデンサのQ値および小型化が求められる用途向き
VCO、TCXO etc
- ・高周波回路の特性調整用途
- ・ Suitable for those high frequency applications in which a capacitor with both a high Q-value and small size is required such as portable communications and other wireless applications.
VCO, TCXO. etc.
- ・ Adjustment of characteristics in high frequency circuit

形名表記法 ORDERING CODE

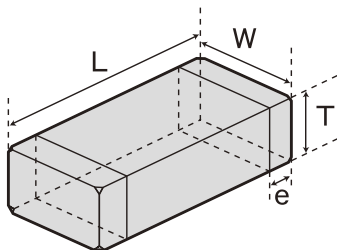
1 定格電圧 [VDC]	2 シリーズ名	3 端子電極	4 形状寸法 (EIA) L×W [mm]	5 温度特性 [ppm/°C]	6 公称静電容量 [pF]	7 容量許容差	8 製品厚み [mm]	9 個別仕様	10 包装
E 16 U 50	V 高周波用積層コンデンサ	K メッキ品	105(0402) 1.0×0.5	CH 0±60 RH -220±60	例 020 2 4R3 4.3 ※R=小数点	B ±0.1pF J ±5%	W 0.5	— 標準	F リールテーピング品 (178φ2mmピッチ)

U V K 1 0 5 R H 4 R 3 J W - F

1 2 3 4 5 6 7 8 9 10

1 Rated voltage [VDC]	2 Series name	3 End termination	4 Dimensions (case size) (L×W) [mm]	5 Temperature characteristics [ppm/°C]	6 Nominal Capacitance [pF]	7 Capacitance Tolerances	8 Thickness [mm]	9 Special code	10 Packaging
E 16 U 50	V MULTILAYER CERAMIC CAPACITORS FOR HIGH FREQUENCY	K Plated	105(0402) 1.0×0.5	CH 0±60 RH -220±60	example 020 2 4R3 4.3 ※R=Decimal point	B ±0.1pF J ±5%	W 0.5	— Standard Products	F Tape&Reel(2mm pitch・178φ)

外形寸法 EXTERNAL DIMENSIONS



Type(EIA)	L	W	T	e
□VK105 (0402)	1.0±0.05 (0.039±0.002)	0.5±0.05 (0.020±0.002)	0.5±0.05 (0.020±0.002)	0.25±0.1 (0.010±0.004)

Unit : mm (inch)

アイテム一覧 PART NUMBERS

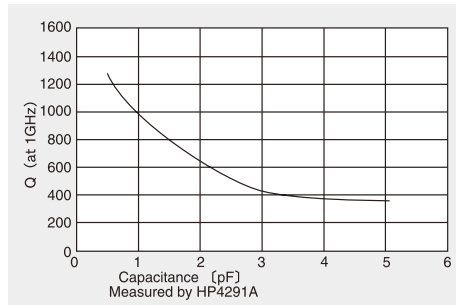
定格電圧 Rated Voltage (DC)	形 名 Ordering code	EHS (Environmental Hazardous Substances)	温度特性 Temperature characteristics		公 称 静電容量 Capacitance [pF]	静電容量 許容差 Capacitance tolerance	Q規格値 (at 1GHz) Q (min)	厚み Thickness [mm]	Q typ.値 (参考値) Typical Q
			CH	RH					
E: 16V U: 50V	□VK105 CH0R3BW	RoHS	●		0.3	±0.1pF	300	0.5±0.05	1200
	□VK105 CH0R4BW	RoHS	●		0.4		300		1200
	□VK105 CH0R5BW	RoHS	●		0.5		300		1200
	□VK105 CH0R6BW	RoHS	●		0.6		300		1100
	□VK105 CH0R7BW	RoHS	●		0.7		300		1100
	□VK105 CH0R8BW	RoHS	●		0.8		300		1000
	□VK105 CH0R9BW	RoHS	●		0.9		300		950
	□VK105 CH010BW	RoHS	●		1.0		300		950
	□VK105 CH1R1BW	RoHS	●		1.1		280		930
	□VK105 CH1R2BW	RoHS	●		1.2		270		850
	□VK105 CH1R3BW	RoHS	●		1.3	±5%	260		740
	□VK105 CH1R5BW	RoHS	●		1.5		240		710
	□VK105 CH1R6BW	RoHS	●		1.6		230		670
	□VK105 CH1R8BW	RoHS	●		1.8		210		650
	□VK105 CH020BW	RoHS	●		2.0		190		610
	□VK105 CH2R2JW	RoHS	●		2.2		180		530
	□VK105 CH2R4JW	RoHS	●		2.4		170		510
	□VK105 CH2R7JW	RoHS	●		2.7		150		460
	□VK105 CH030JW	RoHS	●		3.0		130		390
	□VK105 CH3R3JW	RoHS	●		3.3		120		370
	□VK105 CH3R6JW	RoHS	●		3.6		110		360
	□VK105 CH3R9JW	RoHS	●		3.9		99		360
	□VK105 CH4R3JW	RoHS	●		4.3		84		360
	□VK105 CH4R7JW	RoHS	●		4.7		84		340
	□VK105 CH5R1JW	RoHS	●		5.1		84		320
	□VK105 RH0R5BW	RoHS		●	0.5	±0.1pF	300		1100
	□VK105 RH0R6BW	RoHS		●	0.6		300		1000
	□VK105 RH0R7BW	RoHS		●	0.7		300		1000
	□VK105 RH0R8BW	RoHS		●	0.8		300		970
	□VK105 RH0R9BW	RoHS		●	0.9		300		950
	□VK105 RH010BW	RoHS		●	1.0		300		900
	□VK105 RH1R1BW	RoHS		●	1.1		280		900
	□VK105 RH1R2BW	RoHS		●	1.2		270		740
	□VK105 RH1R3BW	RoHS		●	1.3		260		700
	□VK105 RH1R5BW	RoHS		●	1.5	±5%	240		680
	□VK105 RH1R6BW	RoHS		●	1.6		230		640
	□VK105 RH1R8BW	RoHS		●	1.8		210		620
	□VK105 RH020BW	RoHS		●	2.0		190		570
	□VK105 RH2R2JW	RoHS		●	2.2		180		480
	□VK105 RH2R4JW	RoHS		●	2.4		170		470
	□VK105 RH2R7JW	RoHS		●	2.7		150		420
	□VK105 RH030JW	RoHS		●	3.0		130		360
	□VK105 RH3R3JW	RoHS		●	3.3		120		350
	□VK105 RH3R6JW	RoHS		●	3.6		110		340
	□VK105 RH3R9JW	RoHS		●	3.9		99		340
	□VK105 RH4R3JW	RoHS		●	4.3		84		340
	□VK105 RH4R7JW	RoHS		●	4.7		84		320
	□VK105 RH5R1JW	RoHS		●	5.1		84		310

注：□には定格電圧記号がはいります。□Please specify the Rated Voltage code.

仕様 SPECIFICATIONS

温度特性 Temperature Characteristics	使用温度範囲 Operating Temperature range	温度係数範囲 Temperature Coefficient range [ppm/°C]	静電容量許容差 Capacitance Tolerance (区分)
CH	-55~+125°C	0±60	±0.1pF (～2.0pF)
RH		-220±60	±5% (2.2pF～)

■容量値とQの関係例 (CH特性例) Capacitance vs Q value (Typical for CH T.C.)



セレクションガイド
Selection Guide

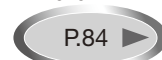
アイテム一覧
Part Numbers

特性図
Electrical Characteristics

梱包
Packaging

信頼性
Reliability Data

使用上の注意
Precautions



etc