

Surface Mount Type Aluminum Electrolytic Capacitor

V-CHIP Type VH 105°C

KOME

Surface mount aluminium electrolytic capacitors with an extended upper temperature limit of 105°C. The VH series offers long life with an endurance test of 2000 hours at 105°C and available in a wide range of values and voltages, which are listed below. Supplied taped and reeled.

High temperature

- Endurance 2000 hours at 105°C
- Excellent performance/size characteristics
- Suitable for wave & reflow soldering
- Capacitance tolerance $\pm 20\%$
- Leakage Current $\leq 0.01\text{CV}$
- Supplied taped & reeled



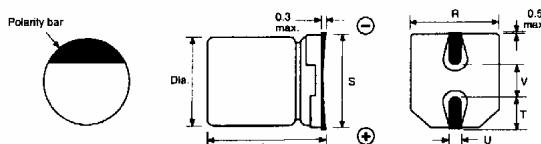
HOW TO ORDER

KVH	1H	100	M	F6R
Product Code	Voltage	Value	Tolerance	Size
VH	0G 4V 0J 6.3V 1A 10V 1C 16V 1E 25V 1V 35V 1H 50V	100=10μF 101=100μF 221=220μF	F $\pm 1\%$ J $\pm 5\%$ M $\pm 20\%$	F6R 4.0X5.8 F7R 5.0X5.8 F8R 6.3X5.8

Specification

Endurance test	2000 hours at 105°C
Capacitance tolerance	$\pm 20\%$ at 120Hz, 20°C
Ripple current (as listed)	measured at 120kHz, 20°C
Operating temperature range	-40°C to +105°C
Leakage current	$\leq 0.01\text{CV}$ or $3\mu\text{A}$ (whichever is greater) after 2 min.

Dimensions (mm)



Tan δ (max) at 120Hz , 20°C

Rated voltage	4V	6.3V	10V	16V	25V	35V	50V	d.c.
All case sizes	0.37	0.28	0.24	0.20	0.16	0.13	0.12	d.c.

Case Size	Dia.	L	R	S	T	U	V
4.0 x 5.8	4.0	5.8 ± 0.2	4.3	5.5 max.	1.8	0.65	1.0
5.0 x 5.8	5.0	5.8 ± 0.2	5.3	6.5 max.	2.1	0.65	1.3
6.3 x 5.8	6.3	5.8 ± 0.2	6.6	7.8 max.	2.4	0.65	2.2

Packaging

Case Size	H	J	K	M	N	P
4.0 x 5.8	12.0	5.0	5.0	8.0	5.5	6.4
5.0 x 5.8	12.0	6.0	6.0	12.0	5.5	6.4
6.3 x 5.8	12.0	7.0	7.0	12.0	7.5	6.4

TAPE

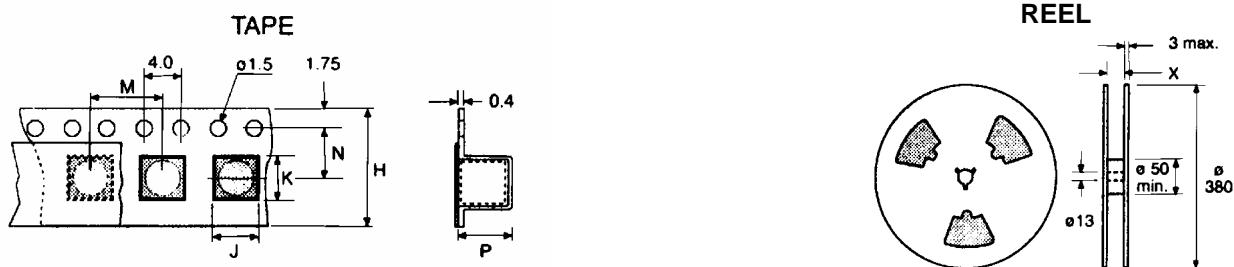
Case Size	X	Reel Qty.
4.0 x 5.8	14	2000pcs
5.0 x 5.8	14	1000pcs
6.3 x 5.8	18	1000pcs

REEL

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Marking

Printed on top surface of case.

Capacitance value

Voltage

Bar to indicate negative terminal

Value (μ F)	Ripple Current (mA)	Case Size Dia x L	KOME Part no.	Order code	SPLT pcs
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4 Volt

22	22	4.0 x 5.8	KVH0G220MF6R	KZP220	2000
33	30	5.0 x 5.8	KVH0G330MF7R	KZP330	1000
47	36	5.0 x 5.8	KVH0G470MF7R	KZP470	1000
100	60	6.3 x 5.8	KVH0G101MF8R	KZP101	1000

6.3 Volt

22	22	4.0 x 5.8	KVH0J220MF6R	KZN220	2000
33	30	5.0 x 5.8	KVH0J330MF7R	KZN330	1000
47	36	5.0 x 5.8	KVH0J470MF7R	KZN470	1000
100	60	6.3 x 5.8	KVH0J101MF8R	KZN101	1000

10 Volt

22	27	5.0 x 5.8	KVH1A220MF7R	KZL220	1000
33	35	5.0 x 5.8	KVH1A330MF7R	KZL330	1000
47	46	6.3 x 5.8	KVH1A470MF8R	KZL470	1000

16 Volt

10	18	4.0 x 5.8	KVH1C100MF6R	KZK100	2000
22	30	5.0 x 5.8	KVH1C220MF7R	KZK220	1000
33	40	6.3 x 5.8	KVH1C330MF8R	KZK330	1000
47	50	6.3 x 5.8	KVH1C470MF8R	KZK470	1000

25 Volt

4.7	13	4.0 x 5.8	KVH1E4R7MF6R	KZW4R7	2000
10	23	5.0 x 5.8	KVH1E100MF7R	KZW100	1000
22	38	6.3 x 5.8	KVH1E220MF8R	KZW220	1000
33	48	6.3 x 5.8	KVH1E330MF8R	KZW330	1000

35 Volt

4.7	15	4.0 x 5.8	KVH1V4R7MF6R	KZR4R7	2000
10	25	5.0 x 5.8	KVH1V100MF7R	KZR100	1000
22	42	6.3 x 5.8	KVH1V220MF8R	KZR220	1000

50 Volt

0.10	1	4.0 x 5.8	KVH1H0R1MF6R	KZB0R1	2000
0.22	2.6	4.0 x 5.8	KVH1HR22MF6R	KZBR22	2000
0.33	3.2	4.0 x 5.8	KVH1HR33MF6R	KZBR33	2000
0.47	3.8	4.0 x 5.8	KVH1HR47MF6R	KZBR47	2000
1.0	6.2	4.0 x 5.8	KVH1H1R0MF6R	KZB1R0	2000
2.2	11	4.0 x 5.8	KVH1H2R2MF6R	KZB2R2	2000
3.3	14	4.0 x 5.8	KVH1H3R3MF6R	KZB3R3	2000
4.7	19	5.0 x 5.8	KVH1H4R7MF7R	KZB4R7	1000
10	30	6.3 x 5.8	KVH1H100MF8R	KZB100	1000