

# ZINC OXIDE VARISTOR

TYPE: VCR

## 主要組成

### Materials and Marking

Marking: VCR

Electrode Material: Ag Paste

Coating Material: Epoxy

Lead Material: Tin Plated Copper Wire

## 尺寸明細

### Dimension Table

Size	D <sub>max</sub>	H <sub>max</sub>	d	P
05D	8	10.5	0.6	5±0.8
07D	9	12	0.6	5±0.8
		14	0.6	5.5±0.8
10D	14	17	0.8	7.5±0.8
		19	0.8	8±0.8
14D	17	20	0.8	7.5±0.8
		22	0.8	8±0.8 10±0.8
20D	25	28	0.8	7.5±0.8
		30	1.0	8±0.8 10±0.8
25D	30	33	1.0	8±0.8
				10±0.8
				12.5±0.8

T max. Table

Part No.	05D	07D	10D	14D	20D	25D
180K	3.3	3.5	3.9	4.0	4.3	---
220K	3.6	3.8	4.2	4.3	4.6	---
270K	3.8	4.0	4.4	4.5	4.8	---
330K	3.3	3.5	3.9	4.0	4.3	---
390K	3.5	3.7	4.1	4.2	4.5	---
470K	3.7	3.9	4.3	4.4	4.7	---
560K	4.0	4.2	4.6	4.7	5.0	---
680K	4.3	4.5	4.9	5.0	5.3	---
820K	3.3	3.5	3.9	4.0	4.3	---
101K	3.6	3.8	4.2	4.3	4.6	---
121K	3.8	4.0	4.4	4.5	4.8	---
151K	4.1	4.3	4.7	4.8	5.1	---
181K	3.2	3.4	3.8	3.9	4.2	---
201K	3.3	3.5	3.9	4.0	4.3	5.4
221K	3.4	3.6	4.0	4.1	4.4	5.5
241K	3.5	3.7	4.1	4.2	4.5	5.6
271K	3.7	3.9	4.2	4.3	4.6	5.8
301K	3.9	4.1	4.3	4.4	4.7	5.9
331K	4.0	4.2	4.5	4.6	4.9	6.1
361K	4.1	4.3	4.7	4.8	5.1	6.4
391K	4.2	4.4	4.8	4.9	5.2	6.6
431K	4.4	4.6	5.0	5.1	5.4	6.9
471K	4.6	4.8	5.2	5.3	5.6	7.2
511K	4.8	5.0	5.3	5.4	5.7	7.2
561K	5.0	5.2	5.5	5.6	5.9	7.2
621K	5.3	5.5	5.7	5.8	6.1	7.7
681K	5.4	5.6	5.8	5.9	6.2	8.0
751K	5.6	5.8	6.0	6.1	6.4	8.4
781K	5.8	6.0	6.3	6.4	6.7	8.5
821K	---	6.3	6.5	6.6	6.9	8.7
911K	---	---	6.6	6.7	7.0	9.2
102K	---	---	7.0	7.1	7.4	9.7
112K	---	---	7.4	7.5	7.9	10.3
182K	---	---	---	11.5	11.9	15.2




● 5D SERIES

Part Number	Maximum Allowable Voltage		Varistor Voltage V <sub>1.0mA</sub>	Clamping voltage (Max.)		Maximum Peak Current (8/20 μs)		Maximum Energy (JOULE)		Rated Power (W)	Typical Capacitance (Reference) @ 1 KHz (pF)	®	®
	AC (V)	DC (V)		VC (V)	IP (A)	1 TIME	2 TIMES	10/100 μs	2ms				
							(A)						
VCR-05D180L	11	14	18(14.4-21.6)	40	1	100	50	0.4	0.3	0.01	1400	*	*
VCR-05D220K	14	18	22(20-24)	48	1	100	50	0.5	0.4	0.01	1150	*	*
VCR-05D270K	17	22	27(24-30)	60	1	100	50	0.6	0.5	0.01	930	*	*
VCR-05D330K	20	26	33(30-36)	73	1	100	50	0.8	0.6	0.01	760	*	*
VCR-05D390K	25	31	39(35-43)	86	1	100	50	0.9	0.8	0.01	640	*	*
VCR-05D470K	30	38	47(42-52)	104	1	100	50	1.1	1.0	0.01	530	*	*
VCR-05D560K	35	45	56(50-62)	123	1	100	50	1.3	1.0	0.01	450	*	*
VCR-05D680K	40	56	68(61-75)	150	1	100	50	1.6	1.2	0.01	370	*	*
VCR-05D820K	50	65	82(74-902)	145	5	400	200	2.5	1.7	0.10	300	*	*
VCR-05D101K	60	85	100(90-110)	175	5	400	200	3.0	2.0	0.10	250	*	*
VCR-05D121K	75	100	120(108-132)	210	5	400	200	4.0	2.5	0.10	210	*	*
VCR-05D151K	95	125	150(135-165)	260	5	400	200	4.8	3.0	0.10	165	*	*
VCR-05D181K	115	150	180(162-198)	320	5	400	200	5.9	3.6	0.10	140	*	*
VCR-05D201K	130	170	200(185-225)	355	5	400	200	6.5	4.0	0.10	125	*	*
VCR-05D221K	140	180	220(198-242)	380	5	400	200	7.0	4.5	0.10	110	*	*
VCR-05D241K	150	200	240(216-264)	415	5	400	200	8.0	5.0	0.10	100	*	*
VCR-05D271K	175	225	270(243-297)	475	5	400	200	8.5	6.0	0.10	95	*	*
VCR-05D301K	190	250	300(270-330)	520	5	400	200	9.0	6.5	0.10	85	*	*
VCR-05D331K	210	275	330(297-363)	570	5	400	200	9.5	7.0	0.10	75	*	*
VCR-05D361K	230	300	360(324-396)	620	5	400	200	10.0	7.5	0.10	70	*	*
VCR-05D391K	250	320	390(351-429)	675	5	400	200	12.0	8.0	0.10	65	*	*
VCR-05D431K	275	350	430(387-473)	745	5	400	200	13.0	9.0	0.10	60	*	*
VCR-05D471K	300	385	470(423-517)	810	5	400	200	15.0	10.0	0.10	55	*	*
VCR-05D511K	320	415	510(459-561)	845	5	400	200	16.0	11.0	0.10	50	*	*
VCR-05D561K	350	460	560(504-616)	920	5	400	200	16.0	11.0	0.10	45	*	*
VCR-05D621K	385	505	620(558-682)	1070	5	400	200	21.0	15.0	0.10	40	*	*
VCR-05D681K	420	560	680(612-748)	1170	5	400	200	21.0	15.0	0.10	35	*	*

# OPERATING TEMPERATURE RANGE: -40°C TO +85°C 使用溫度範圍: 攝氏零下 40 度至 85 度




#STORAGE TEMPERATURE RANGE: -40°C TO +125°C 保存溫度範圍: 攝氏零下 40 度至 125 度

● 7D SERIES

Part Number	Maximum Allowable Voltage		Varistor Voltage V1.0mA	Clamping voltage (Max.)		Maximum Peak Current (8/20 $\mu$ s)		Maximum Energy (JOULE)		Rated Power (W)	Typical Capacitance (Reference) @ 1 KHz (pF)	® 	® 	
	AC (V)	DC (V)		VC (V)	IP (A)	1 TIME	2 TIMES	10/100 $\mu$ s	2ms					
							(A)							
VCR-07D180L	11	14	18(14.4-21.6)	36	2.5	250	125	0.9	0.8	0.02	2800	*	*	*
VCR-07D220K	14	18	22(20-24)	43	2.5	250	125	1.1	0.9	0.02	2300	*	*	*
VCR-07D270K	17	22	27(24-30)	53	2.5	250	125	1.4	1.0	0.02	1800	*	*	*
VCR-07D330K	20	26	33(30-36)	65	2.5	250	125	1.7	1.2	0.02	1500	*	*	*
VCR-07D390K	25	31	39(35-43)	77	2.5	250	125	2.1	1.5	0.02	1300	*	*	*
VCR-07D470K	30	38	47(42-52)	93	2.5	250	125	2.5	1.8	0.02	1100	*	*	*
VCR-07D560K	35	45	56(50-62)	110	2.5	250	125	3.1	2.2	0.02	890	*	*	*
VCR-07D680K	40	56	68(61-75)	135	2.5	250	125	3.6	2.5	0.02	740	*	*	*
VCR-07D820K	50	65	82(74-90)	135	10	1200	600	5.5	3.5	0.25	600	*	*	*
VCR-07D101K	60	85	100(90-110)	165	10	1200	600	6.5	4.0	0.25	500	*	*	*
VCR-07D121K	75	100	120(108-132)	200	10	1200	600	7.8	5.0	0.25	420	*	*	*
VCR-07D151K	95	125	150(135-165)	250	10	1200	600	9.7	6.0	0.25	330	*	*	*
VCR-07D181K	115	150	180(162-198)	300	10	1200	600	11.7	8.5	0.25	280	*	*	*
VCR-07D201K	130	170	200(185-225)	340	10	1200	600	13.0	10.0	0.25	250	*	*	*
VCR-07D221K	140	180	220(198-242)	360	10	1200	600	14.0	10.0	0.25	230	*	*	*
VCR-07D241K	150	200	240(216-264)	395	10	1200	600	15.0	10.0	0.25	210	*	*	*
VCR-07D271K	175	225	270(243-297)	455	10	1200	600	18.0	12.0	0.25	185	*	*	*
VCR-07D301K	190	250	300(270-330)	500	10	1200	600	20.0	13.0	0.25	165	*	*	*
VCR-07D331K	210	275	330(297-363)	550	10	1200	600	23.0	14.0	0.25	150	*	*	*
VCR-07D361K	230	300	360(324-396)	595	10	1200	600	25.0	15.0	0.25	140	*	*	*
VCR-07D391K	250	320	390(351-429)	650	10	1200	600	25.0	17.0	0.25	130	*	*	*
VCR-07D431K	275	350	430(387-473)	710	10	1200	600	28.0	20.0	0.25	115	*	*	*
VCR-07D471K	300	385	470(423-517)	775	10	1200	600	30.0	20.0	0.25	105	*	*	*
VCR-07D511K	320	415	510(459-561)	845	10	1200	600	30.0	20.0	0.25	100	*	*	*
VCR-07D561K	350	460	560(504-616)	920	10	1200	600	30.0	20.0	0.25	90	*	*	*
VCR-07D621K	385	505	620(558-682)	1025	10	1200	600	33.0	22.0	0.25	80	*	*	*
VCR-07D681K	420	560	680(612-748)	1120	10	1200	600	33.0	22.0	0.25	75	*	*	*




# OPERATING TEMPERATURE RANGE: -40°C TO +85°C 使用溫度範圍: 攝氏零下 40 度至 85 度  
 #STORAGE TEMPERATURE RANGE: -40°C TO +125°C 保存溫度範圍: 攝氏零下 40 度至 125 度

● 10D SERIES




Part Number	Maximum Allowable Voltage		Varistor Voltage V1.0mA (V)	Clamping voltage (Max.)		Maximum Peak Current (8/20 $\mu$ s)		Maximum Energy (JOULE)		Rated Power (W)	Typical Capacitance (Reference) @ 1 KHz (pF)	® 	® 	
	AC (V)	DC (V)		VC (V)	IP (A)	1 TIME	2 TIMES	10/100 $\mu$ s	2ms					
							(A)							
VCR-10D180L	11	14	18(14.2-21.6)	36	5	500	250	2.1	1.5	0.05	5600	*	*	*
VCR-10D220K	14	18	22(20-24)	43	5	500	250	2.5	2.0	0.05	4500	*	*	*
VCR-10D270K	17	22	27(24-30)	53	5	500	250	3.0	2.5	0.05	3700	*	*	*
VCR-10D330K	20	26	33(30-36)	65	5	500	250	4.0	3.0	0.05	3000	*	*	*
VCR-10D390K	25	31	39(35-43)	77	5	500	250	4.6	3.5	0.05	2400	*	*	*
VCR-10D470K	30	38	47(42-52)	93	5	500	250	5.5	4.5	0.05	2100	*	*	*
VCR-10D560K	35	45	56(50-62)	110	5	500	250	7.0	5.5	0.05	1800	*	*	*
VCR-10D680K	40	56	68(61-75)	135	5	500	250	8.2	6.5	0.05	1500	*	*	*
VCR-10D820K	50	65	82(74-90)	135	25	2500	1250	12.0	8.0	0.4	1200	*	*	*
VCR-10D101K	60	85	100(90-110)	165	25	2500	1250	15.0	10.0	0.4	1000	*	*	*
VCR-10D121K	75	100	120(108-132)	200	25	2500	1250	18.0	12.0	0.4	830	*	*	*
VCR-10D151K	95	125	150(135-165)	250	25	2500	1250	22.0	16.0	0.4	670	*	*	*
VCR-10D181K	115	150	180(162-198)	300	25	2500	1250	27.0	18.5	0.4	560	*	*	*
VCR-10D201K	130	170	200(185-225)	340	25	2500	1250	30.0	20.0	0.4	500	*	*	*
VCR-10D221K	140	180	220(198-242)	360	25	2500	1250	32.0	23.0	0.4	450	*	*	*
VCR-10D241K	150	200	240(216-264)	395	25	2500	1250	35.0	25.0	0.4	420	*	*	*
VCR-10D271K	175	225	270(243-297)	455	25	2500	1250	40.0	30.0	0.4	370	*	*	*
VCR-10D301K	190	250	300(270-330)	500	25	2500	1250	400	32.0	0.4	330	*	*	*
VCR-10D331K	210	275	330(297-363)	550	25	2500	1250	43.0	34.0	0.4	300	*	*	*
VCR-10D361K	230	300	360(324-396)	595	25	2500	1250	47.0	35.0	0.4	280	*	*	*
VCR-10D391K	250	320	390(351-429)	660	25	2500	1250	60.0	40.0	0.4	260	*	*	*
VCR-10D431K	275	350	430(387-473)	710	25	2500	1250	65.0	45.0	0.4	230	*	*	*
VCR-10D471K	300	385	470(423-517)	775	25	2500	1250	70.0	45.0	0.4	210	*	*	*
VCR-10D511K	320	415	510(459-561)	845	25	2500	1250	70.0	45.0	0.4	200	*	*	*
VCR-10D561K	350	460	560(504-616)	925	25	2500	1250	70.0	45.0	0.4	180	*	*	*
VCR-10D621K	385	505	620(558-682)	1025	25	2500	1250	70.0	45.0	0.4	160	*	*	*
VCR-10D681K	420	560	680(612-748)	1120	25	2500	1250	70.0	45.0	0.4	150	*	*	*
VCR-10D751K	460	615	750(675-825)	1240	25	2500	1250	75.0	50.0	0.4	130	*	*	*
VCR-10D781K	485	640	780(702-858)	1290	25	2500	1250	80.0	50.0	0.4	130	*	*	*
VCR-10D821K	510	670	820(738-902)	1355	25	2500	1250	85.0	55.0	0.4	120	*	*	*
VCR-10D911K	550	745	910(819-1001)	1500	25	2500	1250	93.0	60.0	0.4	110	*	*	*
VCR-10D102K	625	825	1000(900-1100)	1650	25	2500	1250	102.0	65.0	0.4	100	*	*	*
VCR-10D112K	680	895	1100(990-1210)	1815	25	2500	1250	115.0	70.0	0.4	90	*	*	*

# OPERATING TEMPERATURE RANGE: -40°C TO +85°C 使用溫度範圍: 攝氏零下 40 度至 85 度  
 #STORAGE TEMPERATURE RANGE: -40°C TO +125°C 保存溫度範圍: 攝氏零下 40 度至 125 度

● 14D SERIES

Part Number	Maximum Allowable Voltage		Varistor Voltage V1.0mA (V)	Clamping voltage (Max.)		Maximum Peak Current (8/20 $\mu$ s)		Maximum Energy (JOULE)		Rated Power (W)	Typical Capacitance (Reference) @ 1 KHz (pF)	® 	® 	
	AC (V)	DC (V)		VC (V)	IP (A)	1 TIME	2 TIMES	10/100 $\mu$ s	2ms					
							(A)							
VCR-14D180L	11	14	18(14.4-21.6)	36	10	1000	500	4.0	3.5	0.10	11100	*	*	*
VCR-14D220K	14	18	22(20-24)	43	10	1000	500	5.0	4.0	0.10	9100	*	*	*
VCR-14D270K	17	22	27(24-30)	53	10	1000	500	6.0	5.0	0.10	7400	*	*	*
VCR-14D330K	20	26	33(30-36)	65	10	1000	500	7.5	6.0	0.10	6100	*	*	*
VCR-14D390K	25	31	39(35-43)	77	10	1000	500	8.6	7.0	0.10	5100	*	*	*
VCR-14D470K	30	38	47(42-52)	93	10	1000	500	10.0	8.5	0.10	4300	*	*	*
VCR-14D560K	35	45	56(50-62)	110	10	1000	500	11.0	10.0	0.10	3600	*	*	*
VCR-14D680K	40	56	68(61-75)	135	10	1000	500	14.0	12.0	0.10	2900	*	*	*
VCR-14D820K	50	65	82(74-90)	135	50	4500	2500	22.0	14.0	0.60	2400	*	*	*
VCR-14D101K	60	85	100(90-110)	165	50	4500	2500	28.0	18.0	0.60	2000	*	*	*
VCR-14D121K	75	100	120(108-132)	200	50	4500	2500	32.0	20.0	0.60	1700	*	*	*
VCR-14D151K	95	125	150(135-165)	250	50	4500	2500	40.0	25.0	0.60	1300	*	*	*
VCR-14D181K	115	150	180(162-198)	300	50	4500	2500	50.0	30.5	0.60	1100	*	*	*
VCR-14D201K	130	170	200(185-225)	340	50	4500	2500	57.0	35.0	0.60	1000	*	*	*
VCR-14D221K	140	180	220(198-242)	360	50	4500	2500	60.0	40.0	0.60	900	*	*	*
VCR-14D241K	150	200	240(216-264)	395	50	4500	2500	63.0	40.0	0.60	830	*	*	*
VCR-14D271K	175	225	270(243-297)	455	50	4500	2500	70.0	50.0	0.60	740	*	*	*
VCR-14D301K	190	250	300(270-330)	500	50	4500	2500	77.0	52.0	0.60	670	*	*	*
VCR-14D331K	210	275	330(297-363)	550	50	4500	2500	85.0	64.0	0.60	610	*	*	*
VCR-14D361K	230	300	360(324-396)	595	50	4500	2500	93.0	65.0	0.60	560	*	*	*
VCR-14D391K	250	320	390(351-429)	650	50	4500	2500	100.0	70.0	0.60	510	*	*	*
VCR-14D431K	275	350	430(387-473)	710	50	4500	2500	115.0	75.0	0.60	460	*	*	*
VCR-14D471K	300	385	470(423-517)	775	50	4500	2500	125.0	80.0	0.60	430	*	*	*
VCR-14D511K	320	415	510(459-561)	845	50	4500	2500	125.0	80.0	0.60	390	*	*	*
VCR-14D561K	350	460	560(504-616)	925	50	4500	2500	125.0	85.0	0.60	360	*	*	*
VCR-14D621K	385	505	620(558-682)	1025	50	4500	2500	125.0	85.0	0.60	320	*	*	*
VCR-14D681K	420	560	680(612-748)	1120	50	4500	2500	130.0	90.0	0.60	290	*	*	*
VCR-14D751K	460	615	750(675-825)	1240	50	4500	2500	143.0	100.0	0.60	270	*	*	*
VCR-14D781K	485	640	780(702-858)	1290	50	4500	2500	148.0	105.0	0.60	260	*	*	*
VCR-14D821K	510	670	820(738-902)	1355	50	4500	2500	157.0	110.0	0.60	240	*	*	*
VCR-14D911K	550	745	910(819-1001)	1500	50	4500	2500	175.0	120.0	0.60	220	*	*	*
VCR-14D102K	625	825	1000(900-1100)	1650	50	4500	2500	190.0	130.0	0.60	200	*	*	*
VCR-14D112K	680	895	1100(990-1210)	1815	50	4500	2500	213.0	140.0	0.60	180	*	*	*
VCR-14D122K	740	975	1200(1080-1320)	1980	50	4500	2500	228.0	158.0	0.60	165	*	*	*
VCR-14D182K	1000	1465	1800(1620-1980)	2970	50	4500	2500	335.0	240.0	0.60	130	*	*	*

● 20D SERIES

Part Number	Maximum Allowable Voltage		Varistor Voltage V1.0mA (V)	Clamping voltage (Max.)		Maximum Peak Current (8/20 $\mu$ s)		Maximum Energy (JOULE)		Rated Power (W)	Typical Capacitance (Reference) @ 1 KHz (pF)	® 	® 	
	AC (V)	DC (V)		VC (V)	IP (A)	1 TIME	2 TIMES	10/100 $\mu$ s	2ms					
							(A)							
VCR-20D180L	11	14	18(14.4-21.6)	36	20	2000	1000	11.0	10.0	0.20	28500	*	*	*
VCR-20D220K	14	18	22(20-24)	43	20	2000	1000	14.0	13.0	0.20	18500	*	*	*
VCR-20D270K	17	22	27(24-30)	53	20	2000	1000	18.0	15.0	0.20	13000	*	*	*
VCR-20D330K	20	26	33(30-36)	65	20	2000	1000	23.0	20.0	0.20	11500	*	*	*
VCR-20D390K	25	31	39(35-43)	77	20	2000	1000	26.0	24.0	0.20	8500	*	*	*
VCR-20D470K	30	38	47(42-52)	93	20	2000	1000	33.0	30.0	0.20	7400	*	*	*
VCR-20D560K	35	45	56(50-62)	110	20	2000	1000	41.0	35.0	0.20	6500	*	*	*
VCR-20D680K	40	56	68(61-75)	135	20	2000	1000	46.0	40.0	0.20	5800	*	*	*
VCR-20D820K	50	65	82(74-90)	135	100	6500	4500	38.0	27.0	1.00	4900	*	*	*
VCR-20D101K	60	85	100(90-110)	165	100	6500	4500	45.0	30.0	1.00	4000	*	*	*
VCR-20D121K	75	100	120(108-132)	200	100	6500	4500	55.0	40.0	1.00	3300	*	*	*
VCR-20D151K	95	125	150(135-165)	250	100	6500	4500	70.0	50.0	1.00	2700	*	*	*
VCR-20D181K	115	150	180(162-198)	300	100	6500	4500	85.0	60.0	1.00	2200	*	*	*
VCR-20D201K	130	170	200(185-225)	340	100	6500	4500	95.0	70.0	1.00	2000	*	*	*
VCR-20D221K	140	180	220(198-242)	360	100	6500	4500	100.0	75.0	1.00	1800	*	*	*
VCR-20D241K	150	200	240(216-264)	395	100	6500	4500	108.0	80.0	1.00	1650	*	*	*
VCR-20D271K	175	225	270(243-297)	455	100	6500	4500	127.0	90.0	1.00	1500	*	*	*
VCR-20D301K	190	250	300(270-330)	500	100	6500	4500	136.0	100.0	1.00	1300	*	*	*
VCR-20D331K	210	275	330(297-363)	550	100	6500	4500	150.0	110.0	1.00	1200	*	*	*
VCR-20D361K	230	300	360(324-396)	595	100	6500	4500	163.0	120.0	1.00	1100	*	*	*
VCR-20D391K	250	320	390(351-429)	650	100	6500	4500	180.0	130.0	1.00	1000	*	*	*
VCR-20D431K	275	350	430(387-473)	710	100	6500	4500	190.0	140.0	1.00	930	*	*	*
VCR-20D471K	300	385	470(423-517)	775	100	6500	4500	220.0	150.0	1.00	850	*	*	*
VCR-20D511K	320	415	510(459-561)	845	100	6500	4500	220.0	150.0	1.00	780	*	*	*
VCR-20D561K	350	460	560(504-616)	925	100	6500	4500	220.0	150.0	1.00	710	*	*	*
VCR-20D621K	385	505	620(558-682)	1025	100	6500	4500	220.0	150.0	1.00	650	*	*	*
VCR-20D681K	420	560	680(612-748)	1120	100	6500	4500	230.0	160.0	1.00	600	*	*	*
VCR-20D751K	460	615	750(675-825)	1240	100	6500	4500	255.0	175.0	1.00	530	*	*	*
VCR-20D781K	485	640	780(702-858)	1290	100	6500	4500	265.0	180.0	1.00	510	*	*	*
VCR-20D821K	510	670	820(738-902)	1355	100	6500	4500	282.0	190.0	1.00	500	*	*	*
VCR-20D911K	550	745	910(819-1001)	1500	100	6500	4500	310.0	215.0	1.00	440	*	*	*
VCR-20D102K	625	825	1000(900-1100)	1650	100	6500	4500	342.0	230.0	1.00	400	*	*	*
VCR-20D112K	680	895	1100(990-1210)	1815	100	6500	4500	383.0	250.0	1.00	360	*	*	*
VCR-20D182K	1000	1465	1800(1620-1980)	2970	100	6500	4500	625.0	400.0	1.00	260		*	

# OPERATING TEMPERATURE RANGE: -40°C TO +85°C 使用溫度範圍: 攝氏零下 40 度至 85 度

#STORAGE TEMPERATURE RANGE: -40°C TO +125°C 保存溫度範圍: 攝氏零下 40 度至 125 度