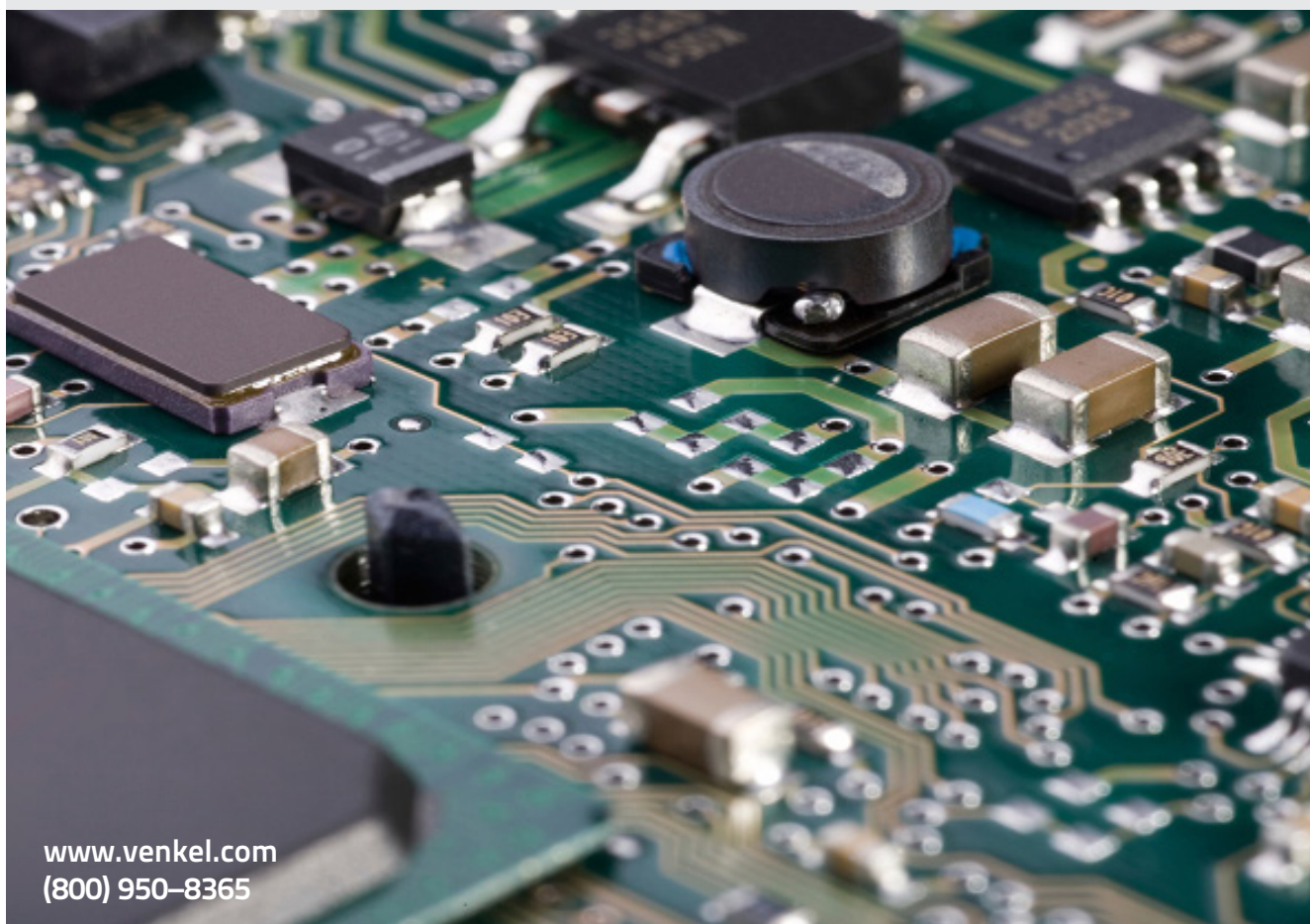


GENERAL PURPOSE THICK FILM RESISTORS



CR SERIES

Thick Film Resistors are a passive component used for de-rating voltage, controlling current in circuit and other circuit functions.

PRODUCT CROSSES TO:

Manufacturer	Series
Kamaya	RMC
KOA	RK73B
Panasonic	ERJ
Samsung	RC
Stackpole (SEI)	RMCF
Viking	CR
Vishay/Dale	CRCW
Walsin	WR
Yageo	RC

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NOTE: Please be aware that manufacturer part data is subject to change without notice. All information is provided in good faith, based on information available at the time of document creation. All part number specifications should be verified to confirm equivalence.

KAMAYA

KAMAYA PART NUMBER: RMC1/10-1002FTP CROSSES TO VENKEL PART NUMBER: CR0805-10W-100FT

Kamaya Part Number Structure

RMC 1/10 — 1002 F TP

SERIES	SIZE	TCR	RESISTANCE	TOLERANCE	PACKAGING
RMC = Thick Film Resistors	01005 = 1/32 0201=1/20 0402=1/16 0603=1/16 0805=1/10 1206=1/8 1210=1/4 2010=1/2 2512=1	- = Standard K = $\pm 100 \times 10^{-6} / ^\circ\text{C}$ Blank = Jumper	3 DIGIT (G & J Tol.) e.g. 2R2=2.2 103=10K 4 DIGIT (D & F Tol.) e.g. 10R2=10.2 1002=10k Jumper 3 zero's	F = $\pm 1\%$ J = $\pm 5\%$ Blank = Jumper	PA = 01005&0201 TH = 0402&0603 TP = 0603 to 1206 TE = 1210 to 2512

Venkel Part Number Structure

CR 0805 - 10W - 1002 F □ T

SERIES	SIZES	RATED VOLTAGE	RESISTANCE	TOLERANCE	TERMINATION	PACKAGING
01005	32W = 0.03W(1/32W)	3 DIGIT	e.g. 2R2=2.2	D: $\pm 0.5\%$ *	Leave blank for standard	T = Tape & Reel
0201	20W = 0.050W(1/20W)	(G & J Tol.)	103=10K	F: $\pm 1\%$	termination, 100% matte Tin (Sn).	
0402	16W = 0.063W(1/16W)	4 DIGIT	e.g. 10R2=10.2	G: $\pm 2\%$	P = Palladium Silver (PdAg)	
0603	10W = 0.10W(1/10W)	(D & F Tol.)	1002=10k	J: $\pm 5\%$		
0805	8W = 0.125W(1/8W)	Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
1206	4W = 0.25W(1/4W)			* All 0.5% (D) resistors come in $\pm 50 \text{ ppm}/^\circ\text{C}$.		
1210	2W = 0.50W(1/2W)					
2010	1W = 1.00W					
2512	2W = 2.00W					

KOA

KOA PART NUMBER: RK73B2ATTD1002F CROSSES TO VENKEL PART NUMBER: CR0805-10W-1002FT

KOA Part Number Structure

RK73B	2A	T	TD	1002	F
TYPE	SIZE	TERMINATION	PACKAGING	RESISTANCE	TOLERANCE
	1F = 01005 1H = 0201 1E = 0402 1J = 0603 2A = 0805 2B = 1206 2E = 1210 2H = 2010 3A = 2512	T = 100% matte Tin (Sn)	TX OR TBL = 01005 TA OR TC = 0201 TPL OR TP = 0402 TP = 0402 to 0603 TD (7'') = 0603 to 1210 TDD (10'') = 0603 to 1210 TE (7'') = 0805 to 2512 TED (10'') = 0805 to 2512	3 DIGIT (G & J Tol.) e.g. 2R2=2.2 103=10K 4 DIGIT (D & F Tol.) e.g. 10R2=10.2 1002=10k Jumper 3 zero's	F = $\pm 1\%$ J = $\pm 5\%$

Venkel Part Number Structure

CR	0805	-	10W	-	1002	F		T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
01005		32W = 0.03W(1/32W)		3 DIGIT	e.g. 2R2=2.2	D: ± 0.5%*	Leave blank for standard termination, 100% matte Tin (Sn). P = Palladium Silver (PdAg)	T = Tape & Reel
0201		20W = 0.050W(1/20W)		(G & J Tol.)	103=10K	F: ± 1%		
0402		16W = 0.063W(1/16W)		4 DIGIT	e.g. 10R2=10.2	G: ± 2%		
0603		10W = 0.10W(1/10W)		(D & F Tol.)	1002=10k	J: ± 5%		
0805		8W = 0.125W(1/8W)						
1206		4W = 0.25W(1/4W)		Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
1210		2W = 0.50W(1/2W)				* All 0.5% (D) resistors come in ±50 ppm/°C.		
2010		1W = 1.00W						
2512		2W = 2.00W						

PANASONIC

PANASONIC PART NUMBER: ERJ6GEYF1002V CROSSES TO VENKEL PART NUMBER: CR0805-8W-103JT

Panasonic Part Number Structure

ERJ	6GE	Y	J	1002	V
SERIES	SIZE	MARKING	TOLERANCE	RESISTANCE	PACKAGING
XGN = 01005 1GN = 0201 1GE = 0201 2GE = 0402 2RK = 0402 3GE = 0603 3EK = 0603 3R = 0603 (1/10W) 6GE = 0805 6E = 0805	6R = 0805 (1/8W) 8GE = 1206 8R = 1206 (1/4W) 8EN = 1206 (1/4W) 14 = 1210 14R = 1210 (1/4W) 14B = 1210 (1/2W) 12Z = 2010 1T = 2512	Y = Marking on Black side Blank = No Marking (01005, 0201 and 0402 only) N = No Marking (0603 and above)	J = $\pm 5\%$ 0 = Jumper	3 DIGIT (G & J Tol.) e.g. 2R2=2.2 103=10K 4 DIGIT (D & F Tol.) e.g. 10R2=10.2 1002=10k Jumper 3 zero's	Y = 01005 (20k pcs) U = 01005 (40k pcs) C = 0201 (15k pcs) X = 0402 (10k pcs) Y = 0402 (20k pcs) V = 0603 to 1206 (5k pcs) U = 1210 to 2010 (5k pcs) U = 2512 (4k pcs)

Venkel Part Number Structure

CR	0805	-	8W	-	103	J		T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
01005		32W = 0.03W(1/32W)		3 DIGIT	e.g. 2R2=2.2	D: ± 0.5%*	Leave blank for standard termination, 100% matte Tin (Sn). P = Palladium Silver (PdAg)	T = Tape & Reel
0201		20W = 0.050W(1/20W)		(G & J Tol.)	103=10K	F: ± 1%		
0402		16W = 0.063W(1/16W)		4 DIGIT	e.g. 10R2=10.2	G: ± 2%		
0603		10W = 0.10W(1/10W)		(D & F Tol.)	1002=10k	J: ± 5%		
0805		8W = 0.125W(1/8W)		Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
1206		4W = 0.25W(1/4W)				* All 0.5% (D) resistors come in ±50 ppm/°C.		
1210		2W = 0.50W(1/2W)						
2010		1W = 1.00W						
2512		2W = 2.00W						

SAMSUNG

SAMSUNG PART NUMBER: RC2012F1002CS CROSSES TO VENKEL PART NUMBER: CR0805-8W-1002FT

Samsung Part Number Structure

RC	2012	F	1002	CS
SERIES	SIZE	TOLERANCE	RESISTANCE	PACKAGING
	0402 = 01005	F = $\pm 1\%$	3 DIGIT (G & J Tol.)	GS = Bulk
	0603 = 0201	G = $\pm 2\%$	e.g. 2R2=2.2 103=10K	CS = 7" Reel
	1005 = 0402	J = $\pm 5\%$	4 DIGIT (D & F Tol.)	ES = 10" Reel
	1608 = 0603		e.g. 10R2=10.2 1002=10k	AS = 13" Reel
	2012 = 0805		Jumper	3 zero's
	3216 = 1206			
	3225 = 1210			
	5025 = 2010			
	6432 = 2512			

Venkel Part Number Structure

CR	0805	-	8W	-	1002	F		T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
01005		32W = 0.03W(1/32W)		3 DIGIT	e.g. 2R2=2.2	D: ± 0.5%*	Leave blank for standard termination, 100% matte Tin (Sn). P = Palladium Silver (PdAg)	T = Tape & Reel
0201		20W = 0.050W(1/20W)		(G & J Tol.)	103=10K	F: ± 1%		
0402		16W = 0.063W(1/16W)		4 DIGIT	e.g. 10R2=10.2	G: ± 2%		
0603		10W = 0.10W(1/10W)		(D & F Tol.)	1002=10k	J: ± 5%		
0805		8W = 0.125W(1/8W)		Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
1206		4W = 0.25W(1/4W)				* All 0.5% (D) resistors come in ±50 ppm/°C.		
1210		2W = 0.50W(1/2W)						
2010		1W = 1.00W						
2512		2W = 2.00W						

STACKPOLE (SEI)

STACKPOLE (SEI) PART NUMBER: RMCF0804FT10K0 CROSSES TO VENKEL PART NUMBER: CR0805-8W-1002FT

Stackpole (SEI) Part Number Structure

RMCF	0805	F	T	10K0
SERIES	SIZE	TOLERANCE	PACKAGING	RESISTANCE
	0201	F = $\pm 1\%$	T = 7" Paper Reel	4 Digit Code:
	0402	J = $\pm 5\%$	G = 10" Paper Reel	eg.
	0603	Z = Jumper		10M0 = 10M ohm
	0805			10K0 = 10K ohm
	1206			10R2 = 10.2 ohm
	1210			2R00 = 2.0 ohm
	2010			0R00 = Jumper
	2512			

Venkel Part Number Structure

CR	0805	-	8W	-	1002	F	□	T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
	01005	32W = 0.03W(1/32W)		3 DIGIT	e.g. 2R2=2.2	D: $\pm 0.5\%*$	Leave blank for standard termination, 100% matte Tin (Sn). P = Palladium Silver (PdAg)	T = Tape & Reel
	0201	20W = 0.050W(1/20W)		(G & J Tol.)	103=10K	F: $\pm 1\%$		
	0402	16W = 0.063W(1/16W)		4 DIGIT	e.g. 10R2=10.2	G: $\pm 2\%$		
	0603	10W = 0.10W(1/10W)		(D & F Tol.)	1002=10k	J: $\pm 5\%$		
	0805	8W = 0.125W(1/8W)		Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
	1206	4W = 0.25W(1/4W)				* All 0.5% (D) resistors come in ± 50 ppm/ $^{\circ}$ C.		
	1210	2W = 0.50W(1/2W)						
	2010	1W = 1.00W						
	2512	2W = 2.00W						

VIKING

VIKING PART NUMBER: CR-05FL7---10K CROSSES TO VENKEL PART NUMBER: CR0805-10W-1002FT

Viking Part Number Structure

CR	05	F	L	7	--- 10K
SERIES	SIZE	TOLERANCE	FUNCTION CODE	PACKAGING	RESISTANCE
	E5 = 01005	D = $\pm 0.5\%$	L = Standard Thick Film	F = Bulk	---1R2 = 1.2 Ω
	01 = 0201	F = $\pm 1\%$		4 = 7" Reel (4Kpcs)	---3K3 = 3.3K Ω
	02 = 0402	G = $\pm 2\%$		7 = 7" Reel (5Kpcs)	---10K = 10K Ω
	03 = 0603	J = $\pm 5\%$		6 = 7" Reel (10Kpcs)	--100K = 100K Ω
	05 = 0805			0 = 7" Reel (15Kpcs)	----OR = Jumper
	06 = 1206			A = 10" Reel (10Kpcs)	"-" fill up to 6 spaces
	10 = 1210			D = 13" Reel (20Kpcs)	
	0A = 2010				
	12 = 2512				

Venkel Part Number Structure

CR	0805	-	10W	-	1002	F	□	T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
01005	32W = 0.03W(1/32W)			3 DIGIT	e.g. 2R2=2.2	D: $\pm 0.5\%*$	Leave blank for standard	T = Tape & Reel
0201	20W = 0.050W(1/20W)			(G & J Tol.)	103=10K	F: $\pm 1\%$	termination, 100% matte Tin (Sn).	
0402	16W = 0.063W(1/16W)			4 DIGIT	e.g. 10R2=10.2	G: $\pm 2\%$	P = Palladium Silver (PdAg)	
0603	10W = 0.10W(1/10W)			(D & F Tol.)	1002=10k	J: $\pm 5\%$		
0805	8W = 0.125W(1/8W)			Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
1206	4W = 0.25W(1/4W)					* All 0.5% (D) resistors		
1210	2W = 0.50W(1/2W)					come in ± 50 ppm/ $^{\circ}$ C.		
2010	1W = 1.00W							
2512	2W = 2.00W							

VISHAY/DALE

VISHAY/DALE PART NUMBER: CRCW080510K0FKEA CROSSES TO VENKEL PART NUMBER: CR0805-8W-1002FT

Vishay/Dale Part Number Structure

CRCW0805	10K0	F	K	EA
SIZE	RESISTANCE	TOLERANCE	TCR	PACKAGING
0402 = CRCW0402 0603 = CRCW0603 0805 = CRCW0805 1206 = CRCW1206 1210 = CRCW1210 2010 = CRCW2010 2512 = CRCW2512	4 Digit Code: eg. 10M0 = 10M ohm 10K0 = 10K ohm 10R2 = 10.2 ohm 2R00 = 2.0 ohm 0000 = Jumper	F = $\pm 1\%$ J = $\pm 5\%$ Z = Jumper	K = $\pm 100\text{ppm/K}$ N = $\pm 200\text{ppm/K}$ 0 = Jumper	Possible Values: EA, EB, EC, ED, EE, EF, EG, EH, EI, EL, EK

Venkel Part Number Structure

CR	0805	-	8W	-	1002	F	□	T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
01005	32W = 0.03W(1/32W)	3 DIGIT		e.g. 2R2=2.2		D: $\pm 0.5\%^*$	Leave blank for standard termination, 100% matte Tin (Sn). P = Palladium Silver (PdAg)	T = Tape & Reel
0201	20W = 0.050W(1/20W)	(G & J Tol.)		103=10K		F: $\pm 1\%$		
0402	16W = 0.063W(1/16W)	4 DIGIT		e.g. 10R2=10.2		G: $\pm 2\%$		
0603	10W = 0.10W(1/10W)	(D & F Tol.)		1002=10k		J: $\pm 5\%$		
0805	8W = 0.125W(1/8W)	Jumper		3 zero's		(No Tolerance specified for the Zero Ohm)		
1206	4W = 0.25W(1/4W)					* All 0.5% (D) resistors come in $\pm 50\text{ ppm}/^\circ\text{C}$.		
1210	2W = 0.50W(1/2W)							
2010	1W = 1.00W							
2512	2W = 2.00W							

WALSIN

WALSIN PART NUMBER: WR08X1002FTL CROSSES TO VENKEL PART NUMBER: CR0805-8W-562JT

Walsin Part Number Structure

WR	08	X	1002	F	T	T
SERIES	SIZE	FUNCTIONAL CODE	RESISTANCE	TOLERANCE	PACKAGING	TERMINATION
	01 = 01005	X = F Tol. & Value is 10Ω to 1MΩ	3 DIGIT (G & J Tol.)	F = ± 1%	B = Bulk	L = 100% matte Tin (Sn)
	02 = 0201	X = J Tol. & Value is 1Ω to 10MΩ		J = ± 5%	T = 7" Reel	R = Lead (Pb)
	04 = 0402	W = F Tol. & Value <10Ω or >1MΩ	4 DIGIT (D & F Tol.)	P = Jumper	Q = 10" Reel	
	06 = 0603				G = 13" Reel	
	08 = 0805					
	12 = 1206		Jumper	3 zero's		
	10 = 1210					
	20 = 2010					
	25 = 2512					

Venkel Part Number Structure

CR	0805	-	10W	-	1002	F		T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
	01005	32W = 0.03W(1/32W)		3 DIGIT	e.g. 2R2=2.2	D: ± 0.5%*	Leave blank for standard termination, 100% matte Tin (Sn). P = Palladium Silver (PdAg)	T = Tape & Reel
	0201	20W = 0.050W(1/20W)		(G & J Tol.)	103=10K	F: ± 1%		
	0402	16W = 0.063W(1/16W)		4 DIGIT	e.g. 10R2=10.2	G: ± 2%		
	0603	10W = 0.10W(1/10W)		(D & F Tol.)	1002=10k	J: ± 5%		
	0805	8W = 0.125W(1/8W)						
	1206	4W = 0.25W(1/4W)		Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
	1210	2W = 0.50W(1/2W)				* All 0.5% (D) resistors come in ±50 ppm/°C.		
	2010	1W = 1.00W						
	2512	2W = 2.00W						

YAGEO

YAGEO PART NUMBER: RC0805FR-0710KL CROSSES TO VENKEL PART NUMBER: CR0805-10W-1002FT

Walsin Part Number Structure

RC	0805	F	R	—	07	10K	L
SERIES	SIZE	TOLERANCE	PACKAGING TYPE	TCR	REEL DIAMETER	RESISTANCE	DEFAULT CODE
	0201	F = $\pm 1\%$	R = Paper Reel Tape	- = Based on Spec	07 = 7" Reel	3 or 4 Digit Code: eg. 10M = 10M ohm 100R = 100 ohm 10R2 = 10.2 ohm 2R = 2.0 ohm OR = Jumper	L = System default code
	0402	J = $\pm 5\%$			10 = 10" Reel		
	0603	P = Jumper			13 = 13" Reel		
	0805						
	1206						
	1210						
	2010						
	2512						

Letter R/K/M is decimal point, no need to mention the last zero after R/K/M, e.g. 1K2, not 1K20.

Venkel Part Number Structure

CR	0805	-	10W	-	1002	F	□	T
SERIES	SIZES	RATED VOLTAGE		RESISTANCE		TOLERANCE	TERMINATION	PACKAGING
	01005	32W = 0.03W(1/32W)		3 DIGIT	e.g. 2R2=2.2	D: $\pm 0.5\%$ *	Leave blank for standard termination, 100% matte Tin (Sn). P = Palladium Silver (PdAg)	T = Tape & Reel
	0201	20W = 0.050W(1/20W)		(G & J Tol.)	103=10K	F: $\pm 1\%$		
	0402	16W = 0.063W(1/16W)		4 DIGIT	e.g. 10R2=10.2	G: $\pm 2\%$		
	0603	10W = 0.10W(1/10W)		(D & F Tol.)	1002=10k	J: $\pm 5\%$		
	0805	8W = 0.125W(1/8W)		Jumper	3 zero's	(No Tolerance specified for the Zero Ohm)		
	1206	4W = 0.25W(1/4W)				* All 0.5% (D) resistors come in ± 50 ppm/°C.		
	1210	2W = 0.50W(1/2W)						
	2010	1W = 1.00W						
	2512	2W = 2.00W						

WHY VENKEL?

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- Supply Chain Services**

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Next Steps

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*If a Regional Account Manager is assigned to your territory

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