

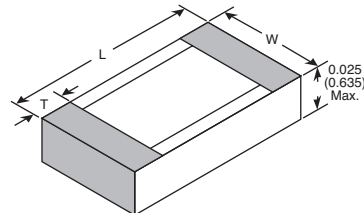
VISHAY SMD Resistors

VISHAY/TECHNO CRHV SERIES - HIGH VOLTAGE THICK FILM CHIP RESISTORS

- Features:**
- High voltage up to 3000V
 - Outstanding stability < 0.5%
 - Flow solderable
 - Automatic placement capability
 - Suitable for solderable, epoxy bondable or wire bondable applications



MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Tolerance	PPM	Price Each			
					1	50	100	250
71-CRHV1206AF10M0FKE	CRHV1206AF10M0FKET	10M	1%	100	2.24	1.87	1.79	1.69
71-CRHV1206AF15M0JKE	CRHV1206AF15M0JKET	15M	5%	100	2.16	1.81	1.73	1.64
71-CRHV1206AF20M0FKE	CRHV1206AF20M0FKET	20M	1%	100	2.26	1.89	1.80	1.71
71-CRHV1206AF50M0FNE	CRHV1206AF50M0FNET	50M	1%	200	2.26	1.89	1.80	1.71
71-CRHV1206AF51M0FKE	CRHV1206AF51M0FKET	51M	1%	100	2.24	1.87	1.79	1.69
71-CRHV1206AF80M0FKE	CRHV1206AF80M0FKET	80M	1%	100	2.24	1.87	1.79	1.69
71-CRHV1206AF82M0JNE	CRHV1206AF82M0JNET	82M	5%	200	2.16	1.81	1.73	1.64
71-CRHV1206AF100M0FKE	CRHV1206AF100M0FKET	100M	1%	100	2.26	1.89	1.80	1.71
71-CRHV1206AF200M0JNE	CRHV1206AF200M0JNET	200M	5%	200	2.21	1.85	1.77	1.67
71-CRHV1206AF400M0JNE	CRHV1206AF400M0JNET	400M	5%	200	2.21	1.85	1.77	1.67
71-CRHV1206AF1G00FKE	CRHV1206AF1G00FKET	1G	1%	100	2.31	1.94	1.84	1.75
71-CRHV2010AF10M0FKE	CRHV2010AF10M0FKET	10M	1%	100	2.64	2.21	2.10	2.00
71-CRHV2010AF12M0FKE	CRHV2010AF12M0FKET	12M	1%	100	2.61	2.19	2.09	1.97
71-CRHV2010AF20M0FKE	CRHV2010AF20M0FKET	20M	1%	100	2.61	2.19	2.09	1.97
71-CRHV2010AF30M0FKE	CRHV2010AF30M0FKET	30M	1%	100	2.61	2.19	2.09	1.97
71-CRHV2010AF33M0FKE	CRHV2010AF33M0FKET	33M	1%	100	2.61	2.19	2.09	1.97
71-CRHV2010AF1G00JNE	CRHV2010AF1G00JNET	1G	1%	200	2.61	2.19	2.09	1.97
71-CRHV2512AF12M0FKE	CRHV2512AF12M0FKET	12M	1%	100	3.26	2.73	2.60	2.47
71-CRHV2512AF15M0FKE	CRHV2512AF15M0FKET	15M	1%	100	3.26	2.73	2.60	2.47
71-CRHV2512AF27M0FKE	CRHV2512AF27M0FKET	27M	1%	100	3.26	2.73	2.60	2.47
71-CRHV2512AF33M0FKE	CRHV2512AF33M0FKET	33M	1%	100	3.26	2.73	2.60	2.47
71-CRHV2512AF50M0FKE	CRHV2512AF50M0FKET	50M	1%	100	3.26	2.73	2.60	2.47
71-CRHV2512AF51M0FKE	CRHV2512AF51M0FKET	51M	1%	100	3.26	2.73	2.60	2.47
71-CRHV2512AF100M0FKE	CRHV2512AF100M0FKET	100M	1%	100	3.26	2.73	2.60	2.47
71-CRHV2512AF500M0FKE	CRHV2512AF500M0FKET	500M	1%	100	3.34	2.80	2.66	2.53
71-CRHV2512AF1G00FKE	CRHV2512AF1G00FKET	1G	1%	100	3.34	2.80	2.66	2.53



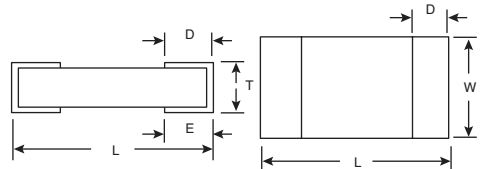
Case Size	DIMENSIONS: in. (mm)		
	Length (L) ±0.006 (0.152)	Width (W) ±0.006 (0.152)	Thickness (T) ±0.002 (0.051)
1206	0.125	0.063	0.025
2010	0.200	0.100	0.025
2512	0.250	0.126	0.025

SMD Resistors

Vishay

VISHAY/THIN FILM FC SERIES - HIGH FREQUENCY UP TO 20GHZ CHIP RESISTORS

- Features:**
- Excellent frequency response to 30GHz
 - Edge trimmed block resistors
 - Alumina substrate high purity (99.6%)
 - Tolerance 0.1%
 - Ohmic range (10Ω - 1000Ω are available for quote)
 - Termination solder, ribbon or wire bondable
 - TCR 25ppm/°C
- Applications:**
- Low noise amplifiers
 - Attenuation
 - Line termination applications in fixed telcom and military/aero space system
 - Precision voltage dividers
 - High speed routers

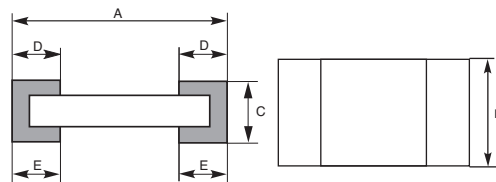


MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Power Rating Watts	Chip Termination	Price Each			
					1	25	50	100
71-FC0402E50R0BTBWS	FC0402E50R0BTBWS	50	50mW	Flip Chip	7.63	7.50	7.13	6.85
71-FC0402E50R0BSWS	FC0402E50R0BSWS	50	50mW	Wrap	7.63	7.50	7.13	6.85
71-FC0402E1000BTBWS	FC0402E1000BTBWS	100	50mW	Wrap	7.63	7.50	7.13	6.85
71-FC0402E1000BSWS	FC0402E1000BSWS	100	50mW	Flip Chip	7.63	7.50	7.13	6.85
71-FC0603E50R0BTBWS	FC0603E50R0BTBWS	50	125mW	Flip Chip	7.63	7.50	7.13	6.85
71-FC0603E50R0BSWS	FC0603E50R0BSWS	50	125mW	Wrap	7.63	7.50	7.13	6.85
71-FC0603E1000BTBWS	FC0603E1000BTBWS	100	125mW	Wrap	7.63	7.50	7.13	6.85
71-FC0603E1000BSWS	FC0603E1000BSWS	100	125mW	Flip Chip	7.63	7.50	7.13	6.85

Case Size	DIMENSIONS: in. (mm)				
	Length	Width W (±0.05)	Thickness	Top Pad D (±0.005)	Bottom Pad E (±0.005)
0402	0.040±0.003 (1.016±0.076)	0.020 (0.508)	0.015 (0.381)	0.012 (0.305)	0.015 (0.381)
0603	0.064±0.006 (1.626±0.153)	0.032 (0.813)	0.015 (0.381)	0.012 (0.305)	0.015 (0.381)

VISHAY/SFERNICE P SERIES - HIGH PRECISION WRAPAROUND THIN FILM CHIP RESISTORS

- Features:**
- Load Life Stability at ±70°C for 2000 hours: .1% under Pn/.05% under Pd
 - Low Temperature Coefficient: ±10ppm/°C
 - Very Low Noise <35dB and Voltage Coefficient <0.1ppm/V
 - Resistance Range: 10Ω to 50MΩ depending on size
 - Tolerances to ±1%
 - In Lot Tracking ≤5ppm/°C
 - Termination: tin/silver (tin/lead available)
 - Short Circuits (Jumpers) r<50mP, k<2A

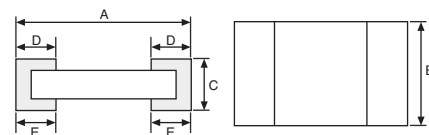


MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Power Rating		Limiting Element Voltage (V)	Price Each			
			Pn	Pd		1	25	50	100
71-P0603Y1001BN	P0603Y1001BN	1K	125	50	50	12.50	10.06	8.05	7.39
71-P0603Y2001BN	P0603Y2001BN	2K	125	50	50	12.51	10.07	8.06	7.40
71-P0603Y1002BN	P0603Y1002BN	10K	125	50	50	9.53	7.69	6.15	5.65
71-P0603Y1003BN	P0603Y1003BN	100K	125	50	50	9.53	7.69	6.15	5.65
71-P0805Y1001BN	P0805Y1001BN	1K	200	100	50	12.51	10.07	8.06	7.40
71-P0805Y2001BN	P0805Y2001BN	2K	200	100	50	9.53	7.69	6.15	5.65
71-P0805Y1002BN	P0805Y1002BN	10K	200	100	50	9.53	7.69	6.15	5.65
71-P0805Y1003BN	P0805Y1003BN	100K	200	100	50	9.53	7.69	6.15	5.65
71-P1206Y1001BN	P1206Y1001BN	1K	330	150	75	13.54	10.90	8.71	7.99
71-P1206Y1002BN	P1206Y1002BN	10K	330	150	75	13.54	10.90	8.71	7.99
71-P1206Y2002BN	P1206Y2002BN	20K	330	150	75	13.54	10.90	8.71	7.99
71-P1206Y1003BN	P1206Y1003BN	100K	330	150	75	13.54	10.90	8.71	7.99
71-P1206Y1004BN	P1206Y1004BN	1M	330	150	75	17.75	14.29	11.43	10.50

Case Size	DIMENSIONS: mm (in.)			
	A Tot. ±.152 (.006)	B Tot. ±.127 (.005)	C Tot. ±.127 (.005)	D/E Tot. ±.13 (.005)
0603	1.52 (.06)	.75 (.03)	.5 (.02)	.38 (.015)
0805	1.91 (.075)	1.27 (.05)	.5 (.02)	.38 (.015)
1206	3.06 (1.20)	1.60 (.063)	.5 (.02)	.38 (.015)

VISHAY/SFERNICE CH SERIES - THIN FILM MICROWAVE RESISTORS

- Features:**
- Small size, down to 20 by 16mils available
 - Edged trimmed block resistors
 - Pure alumina substrate (99.5%)
 - Small internal reactance (LC down to 1x10-24@20GHz)
 - Tolerance: 1%, 2%, 5%, 10% available
 - TCR: 100 ppm/°C in (-55°C, +155°C) temperature range
 - Ohmic Range: 10Ω to 500Ω



MOUSER STOCK NO.	Vishay Part No.	Value (Ω)	Power Rating Pn (mW)	Limiting Element Voltage (V)	Price Each			
					1	25	50	100
71-CH0402-10RJN	CH0402-10RJN	10	50	37	4.88	4.47	4.27	3.99
71-CH0402-50RJN	CH0402-50RJN	50	50	37	3.84	3.52	3.36	3.14
71-CH0402-100RJN	CH0402-100RJN	100	50	37	4.40	4.00	3.60	3.38
71-CH0402-250RJN	CH0402-250RJN	250	50	37	4.88	4.47	4.27	3.99
71-CH0603-50RJN	CH0603-50RJN	50	125	50	4.88	4.26	3.83	3.41
71-CH0603-75RJN	CH0603-75RJN	75	125	50	6.38	5.85	5.59	5.23
71-CH0603-100RJN	CH0603-100RJN	100	125	50	6.37	5.84	5.21	4.41
71-CH0603-250RJN	CH0603-250RJN	250	125	50	4.58	4.19	4.00	3.74

Case Size	DIMENSIONS: mm (in.)			
	A Tot. ±1 (.004)	B Tot. ±1 (.004)	C Tot. ±127 (.005)	D/E Tot. ±13 (.005)
0402	1 (.04)	.6 (.023)	.5 (.02)	.38 (.015)
0603	1.52 (.06)	.75 (.03)	.5 (.02)	.38 (.015)