

REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

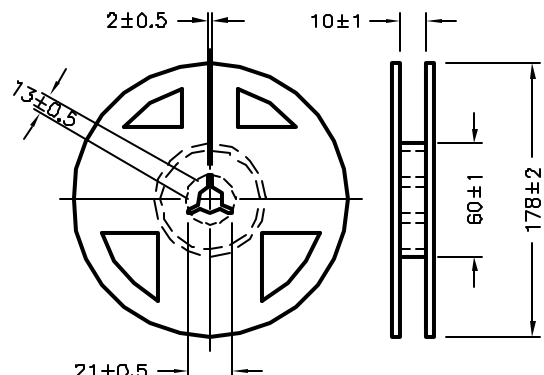
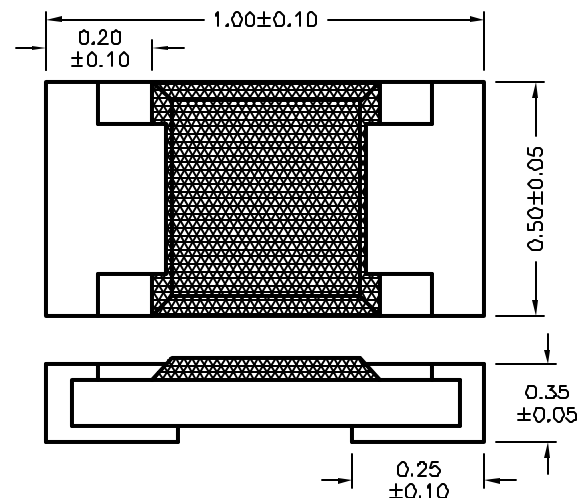
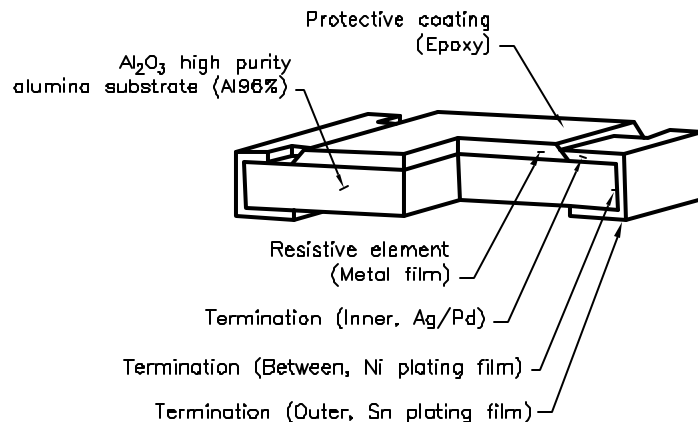
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1861	A	RELEASED	EYO	11/08/05	HO	11/7/05	JWM	11/7/05
1861	B	Parts added	JN	05/01/08	JN	05/01/08	JN	05/01/08



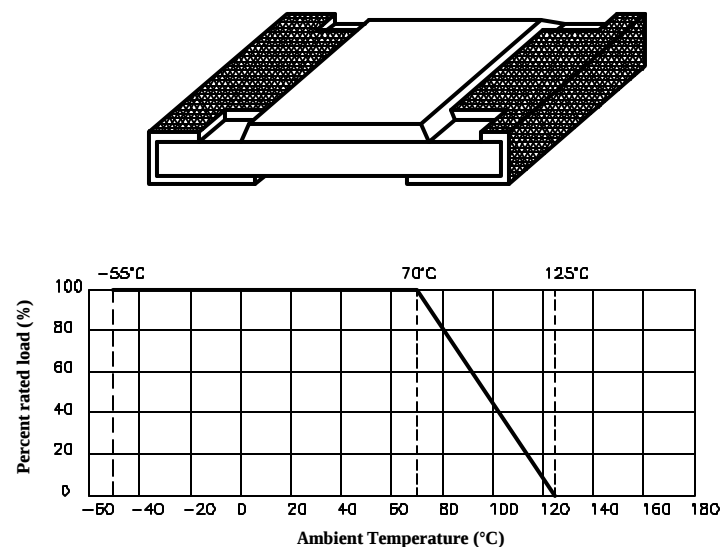
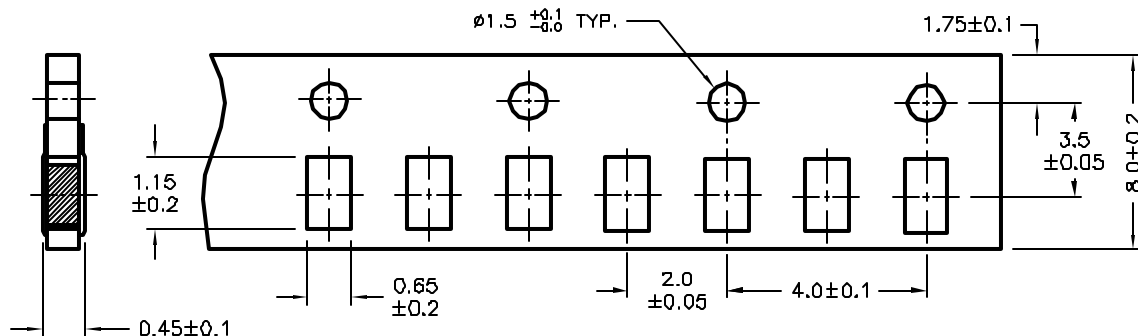
RoHS
Compliant

Specifications:

- Power Rating: 1/16 Watt
- Tolerance: 1%
- Max. Working Voltage: 25 V
- Max. Overload Voltage: 50 V
- Temperature Range: $-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- Ambient Temperature: 70°C
- Resistance Range: (See parts table)



Tape & Reel Dimension



DISCLAIMER:
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TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
EKLAS ODISH	11/06/05
CHECKED BY:	DATE:
HISHAM ODISH	11/7/05
APPROVED BY:	DATE:
JEFF MCVICKER	11/7/05

DRAWING TITLE: RoHS Compliant Thick Film Chip Resistors, EIA Size 0402, 1/16 Watt			
SIZE A	DWG. NO. TA-677	ELECTRONIC FILE TA-677.DWG	REV A
SCALE: NTS		U.O.M.: Millimeters	SHEET: 1 OF 5

Performance specification

Characteristics	Limits	Test Methods (JIS - C - 5201-1)															
Temperature coefficient	100-1M Ω ± 100 PPM/ $^{\circ}$ C	5.2 Natural resistance change per temp. degree centigrade $\frac{R2-R1}{R1(t2-t1)} \times 10^6$ (PPM/ $^{\circ}$ C) R1: Resistance value at room temperature (t1) R2: Resistance value at room temp. plus 100 $^{\circ}$ C (t2)															
Short time overload	Resistance change rate is: $\pm (1.0 \% + 0.1 \Omega)$ Max.	5.5 Permanent resistance change after the application of a potential of 2.5 times RCWV for 5 seconds															
Insulation resistance	1,000 MO or more	5.6 Apply 500V DC between protective coating and termination for 1 min, then measure															
Dielectric withstanding voltage	No evidence of flashover mechanical damage, arcing or insulation break down	5.7 Apply 500V AC between protective coating and termination for 1 minute															
Terminal bending	$\pm (1.0 \% + 0.05O)$ Max.	6.1.4 Twist of Test Board: Y/X = 5/90 mm for 10 seconds															
Temperature cycling	$\pm (0.5 \% + 0.05O)$ Max.	7.4 Resistance change after continuous 5 cycles for duty cycle specified below: <table border="1"> <thead> <tr> <th>Step</th><th>Temperature</th><th>Time</th></tr> </thead> <tbody> <tr> <td>1</td><td>-55°C $\pm 3^{\circ}$C</td><td>30 mins</td></tr> <tr> <td>2</td><td>Room temp.</td><td>10 ~ 15 mins</td></tr> <tr> <td>3</td><td>-125°C $\pm 2^{\circ}$C</td><td>30 mins</td></tr> <tr> <td>4</td><td>Room temp.</td><td>10 ~ 15 mins</td></tr> </tbody> </table>	Step	Temperature	Time	1	-55 $^{\circ}$ C $\pm 3^{\circ}$ C	30 mins	2	Room temp.	10 ~ 15 mins	3	-125 $^{\circ}$ C $\pm 2^{\circ}$ C	30 mins	4	Room temp.	10 ~ 15 mins
Step	Temperature	Time															
1	-55 $^{\circ}$ C $\pm 3^{\circ}$ C	30 mins															
2	Room temp.	10 ~ 15 mins															
3	-125 $^{\circ}$ C $\pm 2^{\circ}$ C	30 mins															
4	Room temp.	10 ~ 15 mins															
Load life in humidity	Resistance change rate is $\pm (1.0 \% + 0.1 \Omega)$ Max.	7.9 Resistance change after 1,000 hours (1.5 hours "on", 0.5 hour "off") at RCWV in a humidity chamber controlled at 40 $^{\circ}$ C $\pm 2^{\circ}$ C and 90 to 95 % relative humidity															
Load Life	Resistance change rate is $\pm (1.0 \% + 0.1 \Omega)$ Max.	7.10 Permanent resistance change after 1,000 hours operating at RCWV, with duty cycle of (1.5 hours"on", 0.5 hour "off") at 70 $^{\circ}$ C $\pm 2^{\circ}$ C ambient															
Soldering Heat	Electrical characterisstics shall be satisfied. Without distinct deformation in appearance.	<u>Solder bath method</u> Pre-heat: 100 to 105 $^{\circ}$ C, 30 $\pm$ 5 sec Temperature: 265 $\pm$ 3 $^{\circ}$ C, 5 + 1/-0 sec. <u>Reflow soldering method</u> Peak: 250 + 5/-0 $^{\circ}$ C 230 $^{\circ}$ C or higher 30 $\pm$ 10 sec. <u>soldering iron method</u> Bit temperature: 350 $\pm$ 10 $^{\circ}$ C Application time of soldering iron : 3+ 1/-0 sec.															
Solderability	95 % coverage Min.	6.5 Test temperature of solder : 245 $^{\circ}$ C $\pm$ 3 $^{\circ}$ C Dipping them solder : 2 - 3 seconds															

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SIZE
A

DWG. NO.

TA-677

ELECTRONIC FILE

TA-677.DWG

REV

A

Vendor P/N	Resistance	Package
MC0402WG00000TCE-TC	0 ohm	Tape / Cut
MC0402WG00000TCE-TR	0 ohm	Tape / Reel
MC0402WGF1000TCE-TC	100 ohm	Tape / Cut
MC0402WGF1000TCE-TR	100 ohm	Tape / Reel
MC0402WGF1001TCE-TC	1 Kohm	Tape / Cut
MC0402WGF1001TCE-TR	1 Kohm	Tape / Reel
MC0402WGF1002TCE-TC	10 Kohm	Tape / Cut
MC0402WGF1002TCE-TR	10 Kohm	Tape / Reel
MC0402WGF1003TCE-TC	100 Kohm	Tape / Cut
MC0402WGF1003TCE-TR	100 Kohm	Tape / Reel
MC0402WGF1004TCE-TC	1 Megohm	Tape / Cut
MC0402WGF1004TCE-TR	1 Megohm	Tape / Reel
MC0402WGF100JTCE-TC	10 ohm	Tape / Cut
MC0402WGF100JTCE-TR	10 ohm	Tape / Reel
MC0402WGF100KTCE-TC	100 Kohm	Tape / Cut
MC0402WGF100KTCE-TR	100 Kohm	Tape / Reel
MC0402WGF1100TCE-TC	110 ohm	Tape / Cut
MC0402WGF1100TCE-TR	110 ohm	Tape / Reel
MC0402WGF1101TCE-TC	1.1 Kohm	Tape / Cut
MC0402WGF1101TCE-TR	1.1 Kohm	Tape / Reel
MC0402WGF1102TCE-TC	11 Kohm	Tape / Cut
MC0402WGF1102TCE-TR	11 Kohm	Tape / Reel
MC0402WGF1103TCE-TC	110 Kohm	Tape / Cut
MC0402WGF1103TCE-TR	110 Kohm	Tape / Reel
MC0402WGF110JTCE-TC	11 ohm	Tape / Cut
MC0402WGF110JTCE-TR	11 ohm	Tape / Reel
MC0402WGF1200TCE-TC	120 ohm	Tape / Cut
MC0402WGF1200TCE-TR	120 ohm	Tape / Reel
MC0402WGF1201TCE-TC	1.2 Kohm	Tape / Cut
MC0402WGF1201TCE-TR	1.2 Kohm	Tape / Reel
MC0402WGF1202TCE-TC	12 ohm	Tape / Cut
MC0402WGF1202TCE-TR	12 ohm	Tape / Reel
MC0402WGF1203TCE-TC	120 Kohm	Tape / Cut
MC0402WGF1203TCE-TR	120 Kohm	Tape / Reel
MC0402WGF120JTCE-TC	12 ohm	Tape / Cut
MC0402WGF120JTCE-TR	12 ohm	Tape / Reel
MC0402WGF1240TCE-TC	124 ohm	Tape / Cut
MC0402WGF1240TCE-TR	124 ohm	Tape / Reel
MC0402WGF1300TCE-TC	130 ohm	Tape / Cut
MC0402WGF1300TCE-TR	130 ohm	Tape / Reel
MC0402WGF1301TCE-TC	1.3 Kohm	Tape / Cut
MC0402WGF1301TCE-TR	1.3 Kohm	Tape / Reel
MC0402WGF1302TCE-TC	13 Kohm	Tape / Cut
MC0402WGF1302TCE-TR	13 Kohm	Tape / Reel

Vendor P/N	Resistance	Package
MC0402WGF1501TCE-TR	1.5 Kohm	Tape / Reel
MC0402WGF1502TCE-TC	15 Kohm	Tape / Cut
MC0402WGF1502TCE-TR	15 Kohm	Tape / Reel
MC0402WGF1503TCE-TC	150 Kohm	Tape / Cut
MC0402WGF1503TCE-TR	150 Kohm	Tape / Reel
MC0402WGF150JTCE-TC	15 ohm	Tape / Cut
MC0402WGF150JTCE-TR	15 ohm	Tape / Reel
MC0402WGF1600TCE-TC	160 ohm	Tape / Cut
MC0402WGF1600TCE-TR	160 ohm	Tape / Reel
MC0402WGF1601TCE-TC	1.6 Kohm	Tape / Cut
MC0402WGF1601TCE-TR	1.6 Kohm	Tape / Reel
MC0402WGF1602TCE-TC	16 Kohm	Tape / Cut
MC0402WGF1602TCE-TR	16 Kohm	Tape / Reel
MC0402WGF1603TCE-TC	160 Kohm	Tape / Cut
MC0402WGF1603TCE-TR	160 Kohm	Tape / Reel
MC0402WGF160JTCE-TC	16 ohm	Tape / Cut
MC0402WGF160JTCE-TR	16 ohm	Tape / Reel
MC0402WGF1800TCE-TC	180 ohm	Tape / Cut
MC0402WGF1800TCE-TR	180 ohm	Tape / Reel
MC0402WGF1801TCE-TC	1.8 Kohm	Tape / Cut
MC0402WGF1801TCE-TR	1.8 Kohm	Tape / Reel
MC0402WGF1802TCE-TC	18 Kohm	Tape / Cut
MC0402WGF1802TCE-TR	18 Kohm	Tape / Reel
MC0402WGF1803TCE-TC	180 Kohm	Tape / Cut
MC0402WGF1803TCE-TR	180 Kohm	Tape / Reel
MC0402WGF180JTCE-TC	18 ohm	Tape / Cut
MC0402WGF180JTCE-TR	18 ohm	Tape / Reel
MC0402WGF2000TCE-TC	200 ohm	Tape / Cut
MC0402WGF2000TCE-TR	200 ohm	Tape / Reel
MC0402WGF2001TCE-TC	2 Kohm	Tape / Cut
MC0402WGF2001TCE-TR	2 Kohm	Tape / Reel
MC0402WGF2002TCE-TC	20 Kohm	Tape / Cut
MC0402WGF2002TCE-TR	20 Kohm	Tape / Reel
MC0402WGF2003TCE-TC	200 Kohm	Tape / Cut
MC0402WGF2003TCE-TR	200 Kohm	Tape / Reel
MC0402WGF200JTCE-TC	20 ohm	Tape / Cut
MC0402WGF200JTCE-TR	20 ohm	Tape / Reel
MC0402WGF2200TCE-TC	220 ohm	Tape / Cut
MC0402WGF2200TCE-TR	200 ohm	Tape / Reel
MC0402WGF2201TCE-TC	2.2 Kohm	Tape / Cut
MC0402WGF2201TCE-TR	2.2 Kohm	Tape / Reel
MC0402WGF2202TCE-TC	22 Kohm	Tape / Cut
MC0402WGF2202TCE-TR	22 Kohm	Tape / Reel
MC0402WGF2203TCE-TC	220 Kohm	Tape / Cut

Vendor P/N	Resistance	Package
MC0402WGF2400TCE-TC	240 ohm	Tape / Cut
MC0402WGF2400TCE-TR	240 ohm	Tape / Reel
MC0402WGF2401TCE-TC	2.4 Kohm	Tape / Cut
MC0402WGF2401TCE-TR	2.4 Kohm	Tape / Reel
MC0402WGF2402TCE-TC	24 Kohm	Tape / Cut
MC0402WGF2402TCE-TR	24 Kohm	Tape / Reel
MC0402WGF2403TCE-TC	240 Kohm	Tape / Cut
MC0402WGF2403TCE-TR	240 Kohm	Tape / Reel
MC0402WGF240JTCE-TC	24 ohm	Tape / Cut
MC0402WGF240JTCE-TR	24 ohm	Tape / Reel
MC0402WGF2490TCE-TC	249 ohm	Tape / Cut
MC0402WGF2490TCE-TR	249 ohm	Tape / Reel
MC0402WGF2491TCE-TC	2.49 Kohm	Tape / Cut
MC0402WGF2491TCE-TR	2.49 Kohm	Tape / Reel
MC0402WGF249JTCE-TC	2.49 ohm	Tape / Cut
MC0402WGF249JTCE-TR	2.49 ohm	Tape / Reel
MC0402WGF2700TCE-TC	270 ohm	Tape / Cut
MC0402WGF2700TCE-TR	270 ohm	Tape / Reel
MC0402WGF2701TCE-TC	2.7 Kohm	Tape / Cut
MC0402WGF2701TCE-TR	2.7 Kohm	Tape / Reel
MC0402WGF2702TCE-TC	27 Kohm	Tape / Cut
MC0402WGF2702TCE-TR	27 Kohm	Tape / Reel
MC0402WGF2703TCE-TC	270 Kohm	Tape / Cut
MC0402WGF2703TCE-TR	270 Kohm	Tape / Reel
MC0402WGF270JTCE-TC	27 ohm	Tape / Cut
MC0402WGF270JTCE-TR	27 ohm	Tape / Reel
MC0402WGF3000TCE-TC	300 ohm	Tape / Cut
MC0402WGF3000TCE-TR	300 ohm	Tape / Reel
MC0402WGF3001TCE-TC	3 Kohm	Tape / Cut
MC0402WGF3001TCE-TR	3 Kohm	Tape / Reel
MC0402WGF3002TCE-TC	30 Kohm	Tape / Cut
MC0402WGF3002TCE-TR	30 Kohm	Tape / Reel
MC0402WGF3003TCE-TC	300 Kohm	Tape / Cut
MC0402WGF3003TCE-TR	300 Kohm	Tape / Reel
MC0402WGF300JTCE-TC	3 ohm	Tape / Cut
MC0402WGF300JTCE-TR	3 ohm	Tape / Reel
MC0402WGF3010TCE-TC	301 ohm	Tape / Cut
MC0402WGF3010TCE-TR	301 ohm	Tape / Reel
MC0402WGF3011TCE-TC	3.01 Kohm	Tape / Cut
MC0402WGF3011TCE-TR	3.01 Kohm	Tape / Reel
MC0402WGF3012TCE-TC	30.12 Kohm	Tape / Cut
MC0402WGF3012TCE-TR	30.12 Kohm	Tape / Reel
MC0402WGF3300TCE-TC	330 ohm	Tape / Cut
MC0402WGF3300TCE-TR	330 ohm	Tape / Reel

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SIZE
A

DWG. NO.

TA-677

ELECTRONIC FILE

TA-677.DWG

REV

A

SPC-F005.DWG

DOC. NO. SPC-F005 * Effective: 7/5/02 * DCP No: 1385

SCALE: NTS

U.O.M.: Millimeters

SHEET: 3 OF 5

Vendor P/N	Resistance	Package
MC0402WGF3303TCE-TC	310 Kohm	Tape / Cut
MC0402WGF3303TCE-TR	310 Kohm	Tape / Reel
MC0402WGF330JTCE-TC	3.3 ohm	Tape / Cut
MC0402WGF330JTCE-TR	3.3ohm	Tape / Reel
MC0402WGF331JTCE-TC	33.2 ohm	Tape / Cut
MC0402WGF331JTCE-TR	33.2 ohm	Tape / Reel
MC0402WGF3322TCE-TR	33.2 ohm	Tape / Cut
MC0402WGF3600TCE-TC	360 ohm	Tape / Reel
MC0402WGF3600TCE-TR	360 ohm	Tape / Cut
MC0402WGF3601TCE-TC	3.6 Kohm	Tape / Reel
MC0402WGF3601TCE-TR	3.6 Kohm	Tape / Cut
MC0402WGF3602TCE-TC	36 Kohm	Tape / Reel
MC0402WGF3602TCE-TR	36 Kohm	Tape / Cut
MC0402WGF3603TCE-TC	360 Kohm	Tape / Reel
MC0402WGF3603TCE-TR	360 Kohm	Tape / Cut
MC0402WGF360JTCE-TC	36 ohm	Tape / Reel
MC0402WGF360JTCE-TR	36 ohm	Tape / Cut
MC0402WGF3900TCE-TC	390 ohm	Tape / Reel
MC0402WGF3900TCE-TR	390 ohm	Tape / Cut
MC0402WGF3901TCE-TC	3.9 Kohm	Tape / Reel
MC0402WGF3901TCE-TR	3.9 Kohm	Tape / Cut
MC0402WGF3902TCE-TC	39 Kohm	Tape / Reel
MC0402WGF3902TCE-TR	39 Kohm	Tape / Cut
MC0402WGF3903TCE-TC	390 Kohm	Tape / Reel
MC0402WGF3903TCE-TR	390 Kohm	Tape / Cut
MC0402WGF390JTCE-TC	39 ohm	Tape / Reel
MC0402WGF390JTCE-TR	39 ohm	Tape / Cut
MC0402WGF4021TCE-TC	4.02 Kohm	Tape / Reel
MC0402WGF4021TCE-TR	4.02 Kohm	Tape / Cut
MC0402WGF4300TCE-TC	430 ohm	Tape / Reel
MC0402WGF4300TCE-TR	430 ohm	Tape / Cut
MC0402WGF4301TCE-TC	4.3 Kohm	Tape / Reel
MC0402WGF4301TCE-TR	4.3 Kohm	Tape / Cut
MC0402WGF4302TCE-TC	43 Kohm	Tape / Reel
MC0402WGF4302TCE-TR	43 Kohm	Tape / Cut
MC0402WGF4303TCE-TC	430 Kohm	Tape / Reel
MC0402WGF4303TCE-TR	430 Kohm	Tape / Cut
MC0402WGF430JTCE-TC	43 ohm	Tape / Reel
MC0402WGF430JTCE-TR	43 ohm	Tape / Cut
MC0402WGF4700TCE-TC	470 ohm	Tape / Reel
MC0402WGF4700TCE-TR	470 ohm	Tape / Cut
MC0402WGF4701TCE-TC	4.7 Kohm	Tape / Reel
MC0402WGF4701TCE-TR	4.7 Kohm	Tape / Cut
MC0402WGF4702TCE-TC	47 Kohm	Tape / Reel

Vendor P/N	Resistance	Package
MC0402WGF470JTCE-TR	47 ohm	Tape / Cut
MC0402WGF4750TCE-TR	475 ohm	Tape / Cut
MC0402WGF4751TCE-TC	4.75 Kohm	Tape / Reel
MC0402WGF4751TCE-TR	4.75 Kohm	Tape / Cut
MC0402WGF4990TCE-TC	499 ohm	Tape / Reel
MC0402WGF4990TCE-TR	499 ohm	Tape / Cut
MC0402WGF4991TCE-TC	4.99 Kohm	Tape / Reel
MC0402WGF4991TCE-TR	4.99 Kohm	Tape / Cut
MC0402WGF4992TCE-TC	49.9 Kohm	Tape / Reel
MC0402WGF4992TCE-TR	49.9 Kohm	Tape / Cut
MC0402WGF4993TCE-TC	499 Kohm	Tape / Reel
MC0402WGF4993TCE-TR	499 Kohm	Tape / Cut
MC0402WGF499JTCE-TC	49.9 ohm	Tape / Reel
MC0402WGF499JTCE-TR	49.9 ohm	Tape / Cut
MC0402WGF5100TCE-TC	510 ohm	Tape / Reel
MC0402WGF5100TCE-TR	510 ohm	Tape / Cut
MC0402WGF5101TCE-TC	5.1 Kohm	Tape / Reel
MC0402WGF5101TCE-TR	5.1 Kohm	Tape / Cut
MC0402WGF5102TCE-TC	51 Kohm	Tape / Reel
MC0402WGF5102TCE-TR	51 Kohm	Tape / Cut
MC0402WGF5103TCE-TC	510 Kohm	Tape / Reel
MC0402WGF5103TCE-TR	510 Kohm	Tape / Cut
MC0402WGF510JTCE-TC	51 ohm	Tape / Reel
MC0402WGF510JTCE-TR	51 ohm	Tape / Cut
MC0402WGF5111TCE-TC	5.11 Kohm	Tape / Reel
MC0402WGF5111TCE-TR	5.11 Kohm	Tape / Cut
MC0402WGF511JTCE-TC	51.1 ohm	Tape / Reel
MC0402WGF511JTCE-TR	51.1 ohm	Tape / Cut
MC0402WGF5600TCE-TC	560 ohm	Tape / Reel
MC0402WGF5600TCE-TR	560 ohm	Tape / Cut
MC0402WGF5601TCE-TC	5.6 Kohm	Tape / Reel
MC0402WGF5601TCE-TR	5.6 Kohm	Tape / Cut
MC0402WGF5602TCE-TC	56 Kohm	Tape / Reel
MC0402WGF5602TCE-TR	56 Kohm	Tape / Cut
MC0402WGF5603TCE-TC	560 Kohm	Tape / Reel
MC0402WGF5603TCE-TR	560 Kohm	Tape / Cut
MC0402WGF560JTCE-TC	56 ohm	Tape / Reel
MC0402WGF560JTCE-TR	56 ohm	Tape / Cut
MC0402WGF5622TCE-TC	56.2 Kohm	Tape / Reel
MC0402WGF5622TCE-TR	56.2 Kohm	Tape / Cut
MC0402WGF6200TCE-TC	620 ohm	Tape / Reel
MC0402WGF6200TCE-TR	620 ohm	Tape / Cut
MC0402WGF6201TCE-TC	6.2 Kohm	Tape / Reel
MC0402WGF6201TCE-TR	6.2 Kohm	Tape / Cut

Vendor P/N	Resistance	Package
MC0402WGF620JTCE-TC	62 ohm	Tape / Reel
MC0402WGF620JTCE-TR	62 ohm	Tape / Cut
MC0402WGF6491TCE-TC	6.49 Kohm	Tape / Reel
MC0402WGF6491TCE-TR	6.49 Kohm	Tape / Cut
MC0402WGF6800TCE-TC	680 ohm	Tape / Reel
MC0402WGF6800TCE-TR	680 ohm	Tape / Cut
MC0402WGF6801TCE-TC	6.8 Kohm	Tape / Reel
MC0402WGF6801TCE-TR	6.8 Kohm	Tape / Cut
MC0402WGF6802TCE-TC	68 Kohm	Tape / Reel
MC0402WGF6802TCE-TR	68 Kohm	Tape / Cut
MC0402WGF6803TCE-TC	680 Kohm	Tape / Reel
MC0402WGF6803TCE-TR	680 Kohm	Tape / Cut
MC0402WGF680JTCE-TC	68 ohm	Tape / Reel
MC0402WGF680JTCE-TR	68 ohm	Tape / Cut
MC0402WGF7500TCE-TC	750 ohm	Tape / Reel
MC0402WGF7500TCE-TR	750 ohm	Tape / Cut
MC0402WGF7501TCE-TC	7.5 Kohm	Tape / Reel
MC0402WGF7501TCE-TR	7.5 Kohm	Tape / Cut
MC0402WGF7502TCE-TC	75 Kohm	Tape / Reel
MC0402WGF7502TCE-TR	75 Kohm	Tape / Cut
MC0402WGF7503TCE-TC	750 Kohm	Tape / Reel
MC0402WGF7503TCE-TR	750 Kohm	Tape / Cut
MC0402WGF750JTCE-TC	75 ohm	Tape / Reel
MC0402WGF750JTCE-TR	75 ohm	Tape / Cut
MC0402WGF8062TCE-TR	8.06 Kohm	Tape / Reel
MC0402WGF8200TCE-TC	820 ohm	Tape / Cut
MC0402WGF8200TCE-TR	820 ohm	Tape / Reel
MC0402WGF8201TCE-TC	8.2 Kohm	Tape / Cut
MC0402WGF8201TCE-TR	8.2 Kohm	Tape / Reel
MC0402WGF8202TCE-TC	82 Kohm	Tape / Cut
MC0402WGF8202TCE-TR	82 Kohm	Tape / Reel
MC0402WGF8203TCE-TC	820 Kohm	Tape / Cut
MC0402WGF8203TCE-TR	820 Kohm	Tape / Reel
MC0402WGF820JTCE-TC	82 ohm	Tape / Cut
MC0402WGF820JTCE-TR	82 ohm	Tape / Reel
MC0402WGF9100TCE-TC	910 ohm	Tape / Cut
MC0402WGF9100TCE-TR	910 ohm	Tape / Reel
MC0402WGF9101TCE-TC	9.1 Kohm	Tape / Cut
MC0402WGF9101TCE-TR	9.1 Kohm	Tape / Reel
MC0402WGF9102TCE-TC	91 Kohm	Tape / Cut
MC0402WGF9102TCE-TR	91 Kohm	Tape / Reel
MC0402WGF9103TCE-TC	910 Kohm	Tape / Cut
MC0402WGF9103TCE-TR	910 Kohm	Tape / Reel
MC0402WGF910JTCE-TC	91 ohm	Tape / Cut