

Automotive and Anti-Sulfuration Chip Resistor 0402



RoHS
Compliant

Description



The resistors are constructed in a high grade ceramic body (aluminium oxide). Internal metal electrodes are added at each end and connected by a resistive paste that is applied to the top surface of the substrate. The composition of the paste is adjusted to give the approximate resistance required and the value is trimmed to within tolerance by laser cutting of this resistive layer

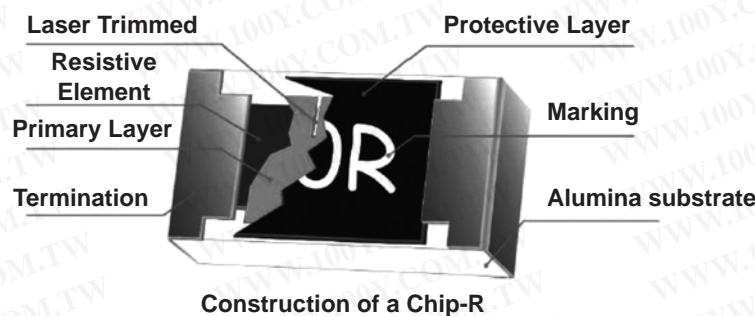
Features:

- High reliability and stability $\pm 1\%$
- Sulfuration resistant
- Automotive grade AEC Q-200 compliant
- 100% CCD inspection
- Lead-free

Applications:

Automotive application
Consumer electrical equipment
EDP, computer application
Telecom application

The resistive layer is covered with a protective coat. Finally, the two external end terminations are added. For ease of soldering the outer layer of these end terminations is a Tin (lead free) alloy



Quick Reference Data

Item	General Specification	
Series no.	MCMR04	
Size code	0402	
Resistance range	1 Ω to 10M Ω ($\pm 5\%$ tolerance), Jumper 1 Ω to 10M Ω ($\pm 1\%$ tolerance)	
Resistance tolerance	$\pm 1\%$ E96 / E24	$\pm 5\%$ E24
TCR (ppm/ $^{\circ}$ C) R > 1M Ω 10 Ω < R \leq 1M Ω R \leq 10 Ω	$\leq +200$ $\leq +100$ -200 to +400	
Maximum dissipation at T _{amb} = 70 $^{\circ}$ C	1/16W	
Maximum operation voltage (DC or RMS)	50V	
Maximum overload voltage (DC or RMS)	100V	
Climatic category (IEC 60068)	55/155/56	

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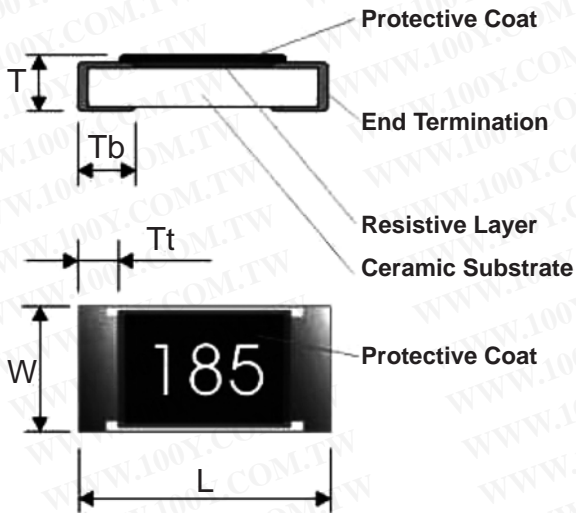
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Note:

1. This is the maximum voltage that may be continuously supplied to the resistor element, see "IEC publication 60115-8"
2. Maximum operation voltage : So called RCWV (rated continuous working voltage) is determined by

$$RCWV = \sqrt{\text{Rated Power} \times \text{Resistance Value}}$$
or maximum RCWV listed above, whichever is lower
3. The resistance of jumper is defined $< 0.05\Omega$

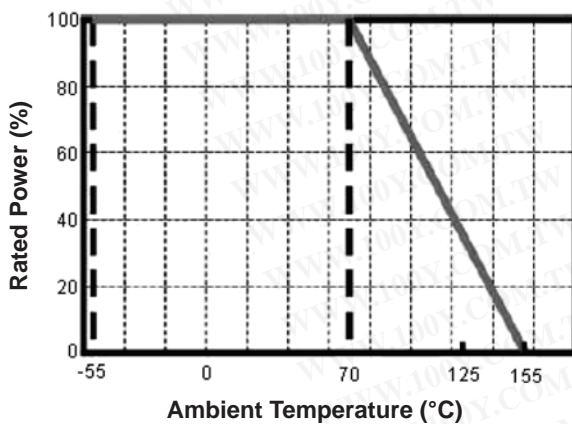


Dimensions (mm)

MCMR04 (0402)	L	W	T	Tb	Tt
	1 ±0.05	0.5 ±0.05	0.35 ±0.05	0.25 ±0.1	0.2 ±0.1

Derating

The power that the resistor can dissipate depends on the operating temperature



Max. dissipation in percentage of rated power as a function of the ambient temperature



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Mounting:

Due to their rectangular shapes and small tolerances, surface mountable resistors are suitable for handling by automatic placement systems

Chip placement can be on ceramic substrates and printed-circuit boards (PCBs)

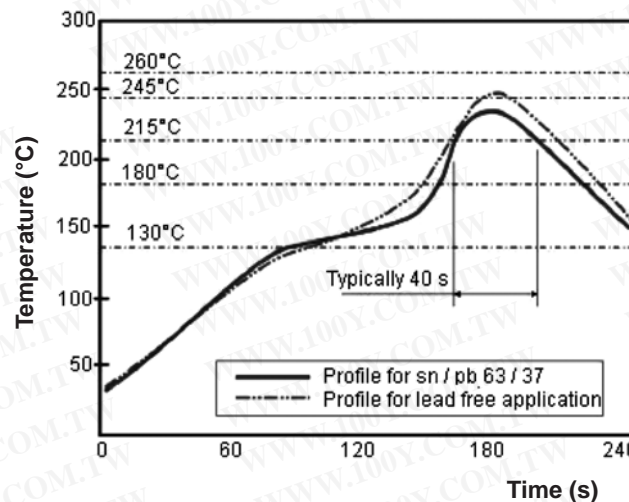
Electrical connection to the circuit is by individual soldering condition

The end terminations guarantee a reliable contact

Soldering Condition

The robust construction of chip resistors allows them to be completely immersed in a solder bath of 260°C for 10 seconds. Therefore, it is possible to mount surface mount resistors on one side of a PCB and other discrete components on the reverse (mixed PCBs)

Surface mount resistors are tested for solderability at 235°C during 2 seconds. The test condition for no leaching is 260°C for 30 seconds. Typical examples of soldering processes that provide reliable joints without any damage are given in below.



Infrared soldering profile for Chip Resistors

Test and Requirements

Essentially all tests are carried out according to the schedule of IEC publication 115-8, category LCT/UCT/56 (rated temperature range : Lower Category Temperature, Upper Category Temperature; damp heat, long term, 56 days). The testing also meets the requirements specified by EIA, EIAJ and JIS

The tests are carried out in accordance with IEC publication 68, "Recommended basic climatic and mechanical robustness testing procedure for electronic components" and under standard atmospheric conditions according to IEC 60068-1, sub-clause 5.3. Unless otherwise specified, the following value supplied :

Temperature : 15°C to 35°C

Relative humidity : 45% to 75%

Air pressure : 86kPa to 106kPa (860 mbar to 1,060 mbar)

All soldering tests are performed with mildly activated flux



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Test and Requirements

Test	Procedure / Test Method	Requirement	
		Resistance $\pm 5\%$, $\pm 1\%$	0 Ω
Electrical Characteristics JISC5201-1: 1998 Clause 4.8	- DC resistance values measurement - Temperature Coefficient of Resistance (T.C.R) Natural resistance change per change in degree centigrade $\frac{R2 - R1}{R1 (t2 - t1)} \times 10^6 \text{ (ppm/}^\circ\text{C)}$ $t1 : 20^\circ\text{C } +5^\circ\text{C } -1^\circ\text{C}$ R1 : Resistance at reference temperature R2 : Resistance at test temperature	Within the specified tolerance Refer to "Quick Reference Data"	
Resistance to soldering heat (R.S.H) MIL-STD-202 method 210	Un-mounted chips completely immersed for 10 ± 1 second in a SAC solder bath at 270 $^\circ\text{C} \pm 5^\circ\text{C}$	$\Delta R/R$ Max. $\pm (0.5\% + 0.05\Omega)$ No visible damage	< 50m Ω
Solderability J-STD-002	a) Bake the sample for 155 $^\circ\text{C}$ dwell time 4 hours / solder dipping 235 $^\circ\text{C}$ / 5 s b) Steam the sample dwell time 1 hour/ solder dipping 215 $^\circ\text{C}$ / 5 s c) Steam the sample dwell time 1 hour/ solder dipping 260 $^\circ\text{C}$ / 7 s	95% coverage minimum, good tinning No visible damage	
Temperature cycling JESD22 method JA-104	1,000 cycles, -55 $^\circ\text{C}$ to +155 $^\circ\text{C}$, dwell time 5 to 10mins	$\Delta R/R$ Max. $\pm (0.5\% + 0.05\Omega)$ No visible damage	< 50m Ω
Moisture Resistance MIL-STD-202 method 106	65 $\pm 2^\circ\text{C}$, 80 to 100% RH, 10 cycles, 24 hours / cycle	$\Delta R/R$ Max. $\pm (0.5\% + 0.05\Omega)$ No visible damage	< 50m Ω
Bias Humidity MIL-STD-202 method 103	1,000 +48/-0 hours; 85 $^\circ\text{C}$, 85% RH, 10% of operation Power	$\Delta R/R$ Max. $\pm (1\% + 0.05\Omega)$ No visible damage	< 50m Ω
Operational Life MIL-STD-202 method 108	1,000 +48/-0 hours; 35% of operation power, 125 $\pm 2^\circ\text{C}$	$\Delta R/R$ Max. $\pm (1\% + 0.05 \Omega)$ No visible damage	< 50m Ω
High Temperature Exposure MIL-STD-202 method 108	1,000+48/-0 hours; without load in a temperature chamber controlled 155 $\pm 3^\circ\text{C}$	$\Delta R/R$ Max. $\pm (1\% + 0.05 \Omega)$ No visible damage	< 50m Ω
Mechanical Shock MIL-STD-202 method 213	1/2 sine pulse / 1,500 g peak / Velocity 15.4 ft/s	Within the specified tolerance No visible damage	< 50m Ω
Board Flex AEC-Q200-005	Resistors mounted on a 90 mm glass epoxy resin PCB(FR4), bending once 2 mm for 10 s	$\Delta R/R$ Max. $\pm (1\% + 0.05 \Omega)$ No visible damage	< 50m Ω
Terminal strength AEC-Q200-006	Pressurizing force: 1 Kg, Test time: 60 ± 1 s	No remarkable damage or removal of the terminations	
Vibration MIL-STD-202 method 204	Test 5 g's for 20 minimum, 12 cycles each of 3 orientations	$\Delta R/R$ Max. $\pm (1\% + 0.05 \Omega)$ No visible damage	< 50m Ω
Thermal shock MIL-STD-202 method 107	Test -55 to 155 / dwell time 15 minimum / maximum transfer time 20 seconds 300 cycles	$\Delta R/R$ Max. $\pm (0.5\% + 0.05 \Omega)$ No visible damage	< 50m Ω
ESD AEC-Q200-002	Test contact 1 KV (0.5 KV for 0402 only)	$\Delta R/R$ Max. $\pm (1\% + 0.05 \Omega)$ No visible damage	< 50m Ω



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Test Condition for Jumper (0 Ω)

Item	MCMR04 (0402)
Power rating at +70°C	1/16 W
Resistance	Max. 50mΩ
Rated current	1A
Peak current	2A
Operating temperature	-55°C to +155°C

MCMR04 (0402):

1. Reeled tape packaging : 8mm width paper taping 10,000 pieces per reel
2. Bulk packaging : 10,000 pieces per poly-bag

Part Number Table

Description	Part Number
Resistor, 0402, 21R5, 1%, Anti Sulfur	MCMR04X21R5FTL
Resistor, 22R, 0402, 5%, Anti Sulfur	MCMR04X220 JTL
Resistor, 0402, 220R, 1%, Anti Sulfur	MCMR04X2200FTL
Resistor, 0402, 2K2, 1%, Anti Sulfur	MCMR04X2201FTL
Resistor, 0402, 22K, 1%, Anti Sulfur	MCMR04X2202FTL
Resistor, 0402, 220K, 1%, Anti Sulfur	MCMR04X2203FTL
Resistor, 220R, 0402, 5%, Anti Sulfur	MCMR04X221 JTL
Resistor, 0402, 221R, 1%, Anti Sulfur	MCMR04X2210FTL
Resistor, 0402, 2K21, 1%, Anti Sulfur	MCMR04X2211FTL
Resistor, 0402, 22K1, 1%, Anti Sulfur	MCMR04X2212FTL
Resistor, 0402, 221K, 1%, Anti Sulfur	MCMR04X2213FTL
Resistor, 2K2, 0402, 5%, Anti Sulfur	MCMR04X222 JTL
Resistor, 22K, 0402, 5%, Anti Sulfur	MCMR04X223 JTL
Resistor, 220K, 0402, 5%, Anti Sulfur	MCMR04X224 JTL
Resistor, 2M2, 0402, 5%, Anti Sulfur	MCMR04X225 JTL
Resistor, 0402, 226R, 1%, Anti Sulfur	MCMR04X2260FTL
Resistor, 0402, 2K26, 1%, Anti Sulfur	MCMR04X2261FTL
Resistor, 0402, 22K6, 1%, Anti Sulfur	MCMR04X2262FTL
Resistor, 0402, 226K, 1%, Anti Sulfur	MCMR04X2263FTL
Resistor, 0402, 22R, 1%, Anti Sulfur	MCMR04X22R0FTL
Resistor, 0402, 22R1, 1%, Anti Sulfur	MCMR04X22R1FTL
Resistor, 0402, 22R6, 1%, Anti Sulfur	MCMR04X22R6FTL
Resistor, 0402, 232R, 1%, Anti Sulfur	MCMR04X2320FTL
Resistor, 0402, 2K32, 1%, Anti Sulfur	MCMR04X2321FTL



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Description	Part Number
Resistor, 0402, 23K2, 1%, Anti Sulfur	MCMR04X2322FTL
Resistor, 0402, 232K, 1%, Anti Sulfur	MCMR04X2323FTL
Resistor, 0402, 237R, 1%, Anti Sulfur	MCMR04X2370FTL
Resistor, 0402, 2K37, 1%, Anti Sulfur	MCMR04X2371FTL
Resistor, 0402, 23K7, 1%, Anti Sulfur	MCMR04X2372FTL
Resistor, 0402, 237K, 1%, Anti Sulfur	MCMR04X2373FTL
Resistor, 0402, 23R2, 1%, Anti Sulfur	MCMR04X23R2FTL
Resistor, 0402, 23R7, 1%, Anti Sulfur	MCMR04X23R7FTL
Resistor, 24R, 0402, 5%, Anti Sulfur	MCMR04X240 JTL
Resistor, 0402, 240R, 1%, Anti Sulfur	MCMR04X2400FTL
Resistor, 0402, 2K4, 1%, Anti Sulfur	MCMR04X2401FTL
Resistor, 0402, 24K, 1%, Anti Sulfur	MCMR04X2402FTL
Resistor, 0402, 240K, 1%, Anti Sulfur	MCMR04X2403FTL
Resistor, 240R, 0402, 5%, Anti Sulfur	MCMR04X241 JTL
Resistor, 2K4, 0402, 5%, Anti Sulfur	MCMR04X242 JTL
Resistor, 24K, 0402, 5%, Anti Sulfur	MCMR04X243 JTL
Resistor, 0402, 243R, 1%, Anti Sulfur	MCMR04X2430FTL
Resistor, 0402, 2K43, 1%, Anti Sulfur	MCMR04X2431FTL
Resistor, 0402, 24K3, 1%, Anti Sulfur	MCMR04X2432FTL
Resistor, 0402, 243K, 1%, Anti Sulfur	MCMR04X2433FTL
Resistor, 240K, 0402, 5%, Anti Sulfur	MCMR04X244 JTL
Resistor, 2M4, 0402, 5%, Anti Sulfur	MCMR04X245 JTL
Resistor, 0402, 249R, 1%, Anti Sulfur	MCMR04X2490FTL
Resistor, 0402, 2K49, 1%, Anti Sulfur	MCMR04X2491FTL
Resistor, 0402, 24K9, 1%, Anti Sulfur	MCMR04X2492FTL
Resistor, 0402, 249K, 1%, Anti Sulfur	MCMR04X2493FTL
Resistor, 0402, 24R, 1%, Anti Sulfur	MCMR04X24R0FTL
Resistor, 0402, 24R3, 1%, Anti Sulfur	MCMR04X24R3FTL
Resistor, 0402, 24R9, 1%, Anti Sulfur	MCMR04X24R9FTL
Resistor, 0402, 255R, 1%, Anti Sulfur	MCMR04X2550FTL
Resistor, 0402, 2K55, 1%, Anti Sulfur	MCMR04X2551FTL
Resistor, 0402, 25K5, 1%, Anti Sulfur	MCMR04X2552FTL
Resistor, 0402, 255K, 1%, Anti Sulfur	MCMR04X2553FTL
Resistor, 0402, 25R5, 1%, Anti Sulfur	MCMR04X25R5FTL
Resistor, 0402, 261R, 1%, Anti Sulfur	MCMR04X2610FTL
Resistor, 0402, 2K61, 1%, Anti Sulfur	MCMR04X2611FTL
Resistor, 0402, 26K1, 1%, Anti Sulfur	MCMR04X2612FTL
Resistor, 0402, 261K, 1%, Anti Sulfur	MCMR04X2613FTL



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Description	Part Number
Resistor, 0402, 267R, 1%, Anti Sulfur	MCMR04X2670FTL
Resistor, 0402, 2K67, 1%, Anti Sulfur	MCMR04X2671FTL
Resistor, 0402, 26K7, 1%, Anti Sulfur	MCMR04X2672FTL
Resistor, 0402, 267K, 1%, Anti Sulfur	MCMR04X2673FTL
Resistor, 0402, 26R1, 1%, Anti Sulfur	MCMR04X26R1FTL
Resistor, 0402, 26R7, 1%, Anti Sulfur	MCMR04X26R7FTL
Resistor, 27R, 0402, 5%, Anti Sulfur	MCMR04X270 JTL
Resistor, 0402, 270R, 1%, Anti Sulfur	MCMR04X2700FTL
Resistor, 0402, 2K7, 1%, Anti Sulfur	MCMR04X2701FTL
Resistor, 0402, 27K, 1%, Anti Sulfur	MCMR04X2702FTL
Resistor, 0402, 270K, 1%, Anti Sulfur	MCMR04X2703FTL
Resistor, 270R, 0402, 5%, Anti Sulfur	MCMR04X271 JTL
Resistor, 2K7, 0402, 5%, Anti Sulfur	MCMR04X272 JTL
Resistor, 27K, 0402, 5%, Anti Sulfur	MCMR04X273 JTL
Resistor, 270K, 0402, 5%, Anti Sulfur	MCMR04X274 JTL
Resistor, 0402, 274R, 1%, Anti Sulfur	MCMR04X2740FTL
Resistor, 0402, 2K74, 1%, Anti Sulfur	MCMR04X2741FTL
Resistor, 0402, 27K4, 1%, Anti Sulfur	MCMR04X2742FTL
Resistor, 0402, 274K, 1%, Anti Sulfur	MCMR04X2743FTL
Resistor, 2M7, 0402, 5%, Anti Sulfur	MCMR04X275 JTL
Resistor, 0402, 27R, 1%, Anti Sulfur	MCMR04X27R0FTL
Resistor, 0402, 27R4, 1%, Anti Sulfur	MCMR04X27R4FTL
Resistor, 0402, 280R, 1%, Anti Sulfur	MCMR04X2800FTL
Resistor, 0402, 2K8, 1%, Anti Sulfur	MCMR04X2801FTL
Resistor, 0402, 28K, 1%, Anti Sulfur	MCMR04X2802FTL
Resistor, 0402, 280K, 1%, Anti Sulfur	MCMR04X2803FTL
Resistor, 0402, 287R, 1%, Anti Sulfur	MCMR04X2870FTL
Resistor, 0402, 2K87, 1%, Anti Sulfur	MCMR04X2871FTL
Resistor, 0402, 28K7, 1%, Anti Sulfur	MCMR04X2872FTL
Resistor, 0402, 287K, 1%, Anti Sulfur	MCMR04X2873FTL
Resistor, 0402, 28R, 1%, Anti Sulfur	MCMR04X28R0FTL
Resistor, 0402, 28R7, 1%, Anti Sulfur	MCMR04X28R7FTL
Resistor, 0402, 294R, 1%, Anti Sulfur	MCMR04X2940FTL
Resistor, 0402, 2K94, 1%, Anti Sulfur	MCMR04X2941FTL
Resistor, 0402, 29K4, 1%, Anti Sulfur	MCMR04X2942FTL
Resistor, 0402, 294K, 1%, Anti Sulfur	MCMR04X2943FTL
Resistor, 0402, 29R4, 1%, Anti Sulfur	MCMR04X29R4FTL
Resistor, 2R0, 0402, 5%, Anti Sulfur	MCMR04X2R0 JTL



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Description	Part Number
Resistor, 2R2, 0402, 5%, Anti Sulfur	MCMR04X2R2 JTL
Resistor, 2R4, 0402, 5%, Anti Sulfur	MCMR04X2R4 JTL
Resistor, 2R7, 0402, 5%, Anti Sulfur	MCMR04X2R7 JTL
Resistor, 30R, 0402, 5%, Anti Sulfur	MCMR04X300 JTL
Resistor, 0402, 300R, 1%, Anti Sulfur	MCMR04X3000FTL
Resistor, 0402, 3K, 1%, Anti Sulfur	MCMR04X3001FTL
Resistor, 0402, 30K, 1%, Anti Sulfur	MCMR04X3002FTL
Resistor, 0402, 300K, 1%, Anti Sulfur	MCMR04X3003FTL
Resistor, 300R, 0402, 5%, Anti Sulfur	MCMR04X301 JTL
Resistor, 0402, 301R, 1%, Anti Sulfur	MCMR04X3010FTL
Resistor, 0402, 3K01, 1%, Anti Sulfur	MCMR04X3011FTL
Resistor, 0402, 30K1, 1%, Anti Sulfur	MCMR04X3012FTL
Resistor, 0402, 301K, 1%, Anti Sulfur	MCMR04X3013FTL
Resistor, 3K, 0402, 5%, Anti Sulfur	MCMR04X302 JTL
Resistor, 30K, 0402, 5%, Anti Sulfur	MCMR04X303 JTL
Resistor, 300K, 0402, 5%, Anti Sulfur	MCMR04X304 JTL
Resistor, 3M, 0402, 5%, Anti Sulfur	MCMR04X305 JTL
Resistor, 0402, 309R, 1%, Anti Sulfur	MCMR04X3090FTL
Resistor, 0402, 3K09, 1%, Anti Sulfur	MCMR04X3091FTL
Resistor, 0402, 30K9, 1%, Anti Sulfur	MCMR04X3092FTL
Resistor, 0402, 309K, 1%, Anti Sulfur	MCMR04X3093FTL
Resistor, 0402, 30R, 1%, Anti Sulfur	MCMR04X30R0FTL
Resistor, 0402, 30R1, 1%, Anti Sulfur	MCMR04X30R1FTL
Resistor, 0402, 30R9, 1%, Anti Sulfur	MCMR04X30R9FTL
Resistor, 0402, 316R, 1%, Anti Sulfur	MCMR04X3160FTL
Resistor, 0402, 3K16, 1%, Anti Sulfur	MCMR04X3161FTL
Resistor, 0402, 31K6, 1%, Anti Sulfur	MCMR04X3162FTL
Resistor, 0402, 316K, 1%, Anti Sulfur	MCMR04X3163FTL
Resistor, 0402, 31R6, 1%, Anti Sulfur	MCMR04X31R6FTL
Resistor, 0402, 324R, 1%, Anti Sulfur	MCMR04X3240FTL
Resistor, 0402, 3K24, 1%, Anti Sulfur	MCMR04X3241FTL
Resistor, 0402, 32K4, 1%, Anti Sulfur	MCMR04X3242FTL
Resistor, 0402, 324K, 1%, Anti Sulfur	MCMR04X3243FTL
Resistor, 0402, 32R4, 1%, Anti Sulfur	MCMR04X32R4FTL
Resistor, 33R, 0402, 5%, Anti Sulfur	MCMR04X330 JTL
Resistor, 0402, 330R, 1%, Anti Sulfur	MCMR04X3300FTL
Resistor, 0402, 3K3, 1%, Anti Sulfur	MCMR04X3301FTL
Resistor, 0402, 33K, 1%, Anti Sulfur	MCMR04X3302FTL



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Description	Part Number
Resistor, 0402, 330K, 1%, Anti Sulfur	MCMR04X3303FTL
Resistor, 330R, 0402, 5%, Anti Sulfur	MCMR04X331 JTL
Resistor, 3K3, 0402, 5%, Anti Sulfur	MCMR04X332 JTL
Resistor, 0402, 332R, 1%, Anti Sulfur	MCMR04X3320FTL
Resistor, 0402, 3K32, 1%, Anti Sulfur	MCMR04X3321FTL
Resistor, 0402, 33K2, 1%, Anti Sulfur	MCMR04X3322FTL
Resistor, 0402, 332K, 1%, Anti Sulfur	MCMR04X3323FTL
Resistor, 33K, 0402, 5%, Anti Sulfur	MCMR04X333 JTL
Resistor, 330K, 0402, 5%, Anti Sulfur	MCMR04X334 JTL
Resistor, 3M3, 0402, 5%, Anti Sulfur	MCMR04X335 JTL
Resistor, 0402, 33R, 1%, Anti Sulfur	MCMR04X33R0FTL
Resistor, 0402, 33R2, 1%, Anti Sulfur	MCMR04X33R2FTL
Resistor, 0402, 340R, 1%, Anti Sulfur	MCMR04X3400FTL
Resistor, 0402, 3K4, 1%, Anti Sulfur	MCMR04X3401FTL
Resistor, 0402, 34K, 1%, Anti Sulfur	MCMR04X3402FTL
Resistor, 0402, 340K, 1%, Anti Sulfur	MCMR04X3403FTL
Resistor, 0402, 348R, 1%, Anti Sulfur	MCMR04X3480FTL
Resistor, 0402, 3K48, 1%, Anti Sulfur	MCMR04X3481FTL
Resistor, 0402, 34K8, 1%, Anti Sulfur	MCMR04X3482FTL
Resistor, 0402, 348K, 1%, Anti Sulfur	MCMR04X3483FTL
Resistor, 0402, 34R, 1%, Anti Sulfur	MCMR04X34R0FTL
Resistor, 0402, 34R8, 1%, Anti Sulfur	MCMR04X34R8FTL
Resistor, 0402, 357R, 1%, Anti Sulfur	MCMR04X3570FTL
Resistor, 0402, 3K57, 1%, Anti Sulfur	MCMR04X3571FTL
Resistor, 0402, 35K7, 1%, Anti Sulfur	MCMR04X3572FTL
Resistor, 0402, 357K, 1%, Anti Sulfur	MCMR04X3573FTL
Resistor, 0402, 35R7, 1%, Anti Sulfur	MCMR04X35R7FTL
Resistor, 36R, 0402, 5%, Anti Sulfur	MCMR04X360 JTL
Resistor, 0402, 360R, 1%, Anti Sulfur	MCMR04X3600FTL
Resistor, 0402, 3K6, 1%, Anti Sulfur	MCMR04X3601FTL
Resistor, 0402, 36K, 1%, Anti Sulfur	MCMR04X3602FTL
Resistor, 0402, 360K, 1%, Anti Sulfur	MCMR04X3603FTL
Resistor, 360R, 0402, 5%, Anti Sulfur	MCMR04X361 JTL
Resistor, 3K6, 0402, 5%, Anti Sulfur	MCMR04X362 JTL
Resistor, 36K, 0402, 5%, Anti Sulfur	MCMR04X363 JTL
Resistor, 360K, 0402, 5%, Anti Sulfur	MCMR04X364 JTL
Resistor, 3M6, 0402, 5%, Anti Sulfur	MCMR04X365 JTL
Resistor, 0402, 365R, 1%, Anti Sulfur	MCMR04X3650FTL



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Description	Part Number
Resistor, 0402, 3K65, 1%, Anti Sulfur	MCMR04X3651FTL
Resistor, 0402, 36K5, 1%, Anti Sulfur	MCMR04X3652FTL
Resistor, 0402, 365K, 1%, Anti Sulfur	MCMR04X3653FTL
Resistor, 0402, 36R, 1%, Anti Sulfur	MCMR04X36R0FTL
Resistor, 0402, 36R5, 1%, Anti Sulfur	MCMR04X36R5FTL
Resistor, 0402, 374R, 1%, Anti Sulfur	MCMR04X3740FTL
Resistor, 0402, 3K74, 1%, Anti Sulfur	MCMR04X3741FTL
Resistor, 0402, 37K4, 1%, Anti Sulfur	MCMR04X3742FTL
Resistor, 0402, 374K, 1%, Anti Sulfur	MCMR04X3743FTL
Resistor, 0402, 37R4, 1%, Anti Sulfur	MCMR04X37R4FTL
Resistor, 0402, 383R, 1%, Anti Sulfur	MCMR04X3830FTL
Resistor, 0402, 3K83, 1%, Anti Sulfur	MCMR04X3831FTL
Resistor, 0402, 38K3, 1%, Anti Sulfur	MCMR04X3832FTL
Resistor, 0402, 383K, 1%, Anti Sulfur	MCMR04X3833FTL
Resistor, 0402, 38R3, 1%, Anti Sulfur	MCMR04X38R3FTL
Resistor, 39R, 0402, 5%, Anti Sulfur	MCMR04X390 JTL
Resistor, 0402, 390R, 1%, Anti Sulfur	MCMR04X3900FTL
Resistor, 0402, 3K9, 1%, Anti Sulfur	MCMR04X3901FTL
Resistor, 0402, 39K, 1%, Anti Sulfur	MCMR04X3902FTL
Resistor, 0402, 390K, 1%, Anti Sulfur	MCMR04X3903FTL
Resistor, 390R, 0402, 5%, Anti Sulfur	MCMR04X391 JTL
Resistor, 3K9, 0402, 5%, Anti Sulfur	MCMR04X392 JTL
Resistor, 0402, 392R, 1%, Anti Sulfur	MCMR04X3920FTL
Resistor, 0402, 3K92, 1%, Anti Sulfur	MCMR04X3921FTL
Resistor, 0402, 39K2, 1%, Anti Sulfur	MCMR04X3922FTL
Resistor, 0402, 392K, 1%, Anti Sulfur	MCMR04X3923FTL
Resistor, 39K, 0402, 5%, Anti Sulfur	MCMR04X393 JTL
Resistor, 390K, 0402, 5%, Anti Sulfur	MCMR04X394 JTL
Resistor, 3M9, 0402, 5%, Anti Sulfur	MCMR04X395 JTL
Resistor, 0402, 39R, 1%, Anti Sulfur	MCMR04X39R0FTL
Resistor, 0402, 39R2, 1%, Anti Sulfur	MCMR04X39R2FTL
Resistor, 3R0, 0402, 5%, Anti Sulfur	MCMR04X3R0 JTL
Resistor, 3R3, 0402, 5%, Anti Sulfur	MCMR04X3R3 JTL
Resistor, 3R6, 0402, 5%, Anti Sulfur	MCMR04X3R6 JTL
Resistor, 3R9, 0402, 5%, Anti Sulfur	MCMR04X3R9 JTL
Resistor, 0402, 402R, 1%, Anti Sulfur	MCMR04X4020FTL
Resistor, 0402, 4K02, 1%, Anti Sulfur	MCMR04X4021FTL
Resistor, 0402, 40K2, 1%, Anti Sulfur	MCMR04X4022FTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 0402, 402K, 1%, Anti Sulfur	MCMR04X4023FTL
Resistor, 0402, 40R2, 1%, Anti Sulfur	MCMR04X40R2FTL
Resistor, 0402, 412R, 1%, Anti Sulfur	MCMR04X4120FTL
Resistor, 0402, 4K12, 1%, Anti Sulfur	MCMR04X4121FTL
Resistor, 0402, 41K2, 1%, Anti Sulfur	MCMR04X4122FTL
Resistor, 0402, 412K, 1%, Anti Sulfur	MCMR04X4123FTL
Resistor, 0402, 41R2, 1%, Anti Sulfur	MCMR04X41R2FTL
Resistor, 0402, 422R, 1%, Anti Sulfur	MCMR04X4220FTL
Resistor, 0402, 4K22, 1%, Anti Sulfur	MCMR04X4221FTL
Resistor, 0402, 42K2, 1%, Anti Sulfur	MCMR04X4222FTL
Resistor, 0402, 422K, 1%, Anti Sulfur	MCMR04X4223FTL
Resistor, 0402, 42R2, 1%, Anti Sulfur	MCMR04X42R2FTL
Resistor, 43R, 0402, 5%, Anti Sulfur	MCMR04X430 JTL
Resistor, 0402, 430R, 1%, Anti Sulfur	MCMR04X4300FTL
Resistor, 0402, 4K3, 1%, Anti Sulfur	MCMR04X4301FTL
Resistor, 0402, 43K, 1%, Anti Sulfur	MCMR04X4302FTL
Resistor, 0402, 430K, 1%, Anti Sulfur	MCMR04X4303FTL
Resistor, 430R, 0402, 5%, Anti Sulfur	MCMR04X431 JTL
Resistor, 4K3, 0402, 5%, Anti Sulfur	MCMR04X432 JTL
Resistor, 0402, 432R, 1%, Anti Sulfur	MCMR04X4320FTL
Resistor, 0402, 4K32, 1%, Anti Sulfur	MCMR04X4321FTL
Resistor, 0402, 43K2, 1%, Anti Sulfur	MCMR04X4322FTL
Resistor, 0402, 432K, 1%, Anti Sulfur	MCMR04X4323FTL
Resistor, 43K, 0402, 5%, Anti Sulfur	MCMR04X433 JTL
Resistor, 430K, 0402, 5%, Anti Sulfur	MCMR04X434 JTL
Resistor, 4M3, 0402, 5%, Anti Sulfur	MCMR04X435 JTL
Resistor, 0402, 43R, 1%, Anti Sulfur	MCMR04X43R0FTL
Resistor, 0402, 43R2, 1%, Anti Sulfur	MCMR04X43R2FTL
Resistor, 0402, 442R, 1%, Anti Sulfur	MCMR04X4420FTL
Resistor, 0402, 4K42, 1%, Anti Sulfur	MCMR04X4421FTL
Resistor, 0402, 44K2, 1%, Anti Sulfur	MCMR04X4422FTL
Resistor, 0402, 442K, 1%, Anti Sulfur	MCMR04X4423FTL
Resistor, 0402, 44R2, 1%, Anti Sulfur	MCMR04X44R2FTL
Resistor, 0402, 453R, 1%, Anti Sulfur	MCMR04X4530FTL
Resistor, 0402, 4K53, 1%, Anti Sulfur	MCMR04X4531FTL
Resistor, 0402, 45K3, 1%, Anti Sulfur	MCMR04X4532FTL
Resistor, 0402, 453K, 1%, Anti Sulfur	MCMR04X4533FTL
Resistor, 0402, 45R3, 1%, Anti Sulfur	MCMR04X45R3FTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 0402, 464R, 1%, Anti Sulfur	MCMR04X4640FTL
Resistor, 0402, 4K64, 1%, Anti Sulfur	MCMR04X4641FTL
Resistor, 0402, 46K4, 1%, Anti Sulfur	MCMR04X4642FTL
Resistor, 0402, 464K, 1%, Anti Sulfur	MCMR04X4643FTL
Resistor, 0402, 46R4, 1%, Anti Sulfur	MCMR04X46R4FTL
Resistor, 47R, 0402, 5%, Anti Sulfur	MCMR04X470 JTL
Resistor, 0402, 470R, 1%, Anti Sulfur	MCMR04X4700FTL
Resistor, 0402, 4K7, 1%, Anti Sulfur	MCMR04X4701FTL
Resistor, 0402, 47K, 1%, Anti Sulfur	MCMR04X4702FTL
Resistor, 0402, 470K, 1%, Anti Sulfur	MCMR04X4703FTL
Resistor, 470R, 0402, 5%, Anti Sulfur	MCMR04X471 JTL
Resistor, 4K7, 0402, 5%, Anti Sulfur	MCMR04X472 JTL
Resistor, 47K, 0402, 5%, Anti Sulfur	MCMR04X473 JTL
Resistor, 470K, 0402, 5%, Anti Sulfur	MCMR04X474 JTL
Resistor, 4M7, 0402, 5%, Anti Sulfur	MCMR04X475 JTL
Resistor, 0402, 475R, 1%, Anti Sulfur	MCMR04X4750FTL
Resistor, 0402, 4K75, 1%, Anti Sulfur	MCMR04X4751FTL
Resistor, 0402, 47K5, 1%, Anti Sulfur	MCMR04X4752FTL
Resistor, 0402, 475K, 1%, Anti Sulfur	MCMR04X4753FTL
Resistor, 0402, 47R, 1%, Anti Sulfur	MCMR04X47R0FTL
Resistor, 0402, 47R5, 1%, Anti Sulfur	MCMR04X47R5FTL
Resistor, 0402, 487R, 1%, Anti Sulfur	MCMR04X4870FTL
Resistor, 0402, 4K87, 1%, Anti Sulfur	MCMR04X4871FTL
Resistor, 0402, 48K7, 1%, Anti Sulfur	MCMR04X4872FTL
Resistor, 0402, 487K, 1%, Anti Sulfur	MCMR04X4873FTL
Resistor, 0402, 47R7, 1%, Anti Sulfur	MCMR04X48R7FTL
Resistor, 0402, 499R, 1%, Anti Sulfur	MCMR04X4990FTL
Resistor, 0402, 4K99, 1%, Anti Sulfur	MCMR04X4991FTL
Resistor, 0402, 49K9, 1%, Anti Sulfur	MCMR04X4992FTL
Resistor, 0402, 499K, 1%, Anti Sulfur	MCMR04X4993FTL
Resistor, 0402, 49R9, 1%, Anti Sulfur	MCMR04X49R9FTL
Resistor, 4R3, 0402, 5%, Anti Sulfur	MCMR04X4R3 JTL
Resistor, 4R7, 0402, 5%, Anti Sulfur	MCMR04X4R7 JTL
Resistor, 51R, 0402, 5%, Anti Sulfur	MCMR04X510 JTL
Resistor, 0402, 510R, 1%, Anti Sulfur	MCMR04X5100FTL
Resistor, 0402, 5K1, 1%, Anti Sulfur	MCMR04X5101FTL
Resistor, 0402, 51K, 1%, Anti Sulfur	MCMR04X5102FTL
Resistor, 0402, 510K, 1%, Anti Sulfur	MCMR04X5103FTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 510R, 0402, 5%, Anti Sulfur	MCMR04X511 JTL
Resistor, 0402, 511R, 1%, Anti Sulfur	MCMR04X5110FTL
Resistor, 0402, 5K11, 1%, Anti Sulfur	MCMR04X5111FTL
Resistor, 0402, 51K1, 1%, Anti Sulfur	MCMR04X5112FTL
Resistor, 0402, 511K, 1%, Anti Sulfur	MCMR04X5113FTL
Resistor, 5K1, 0402, 5%, Anti Sulfur	MCMR04X512 JTL
Resistor, 51K, 0402, 5%, Anti Sulfur	MCMR04X513 JTL
Resistor, 510K, 0402, 5%, Anti Sulfur	MCMR04X514 JTL
Resistor, 5M1, 0402, 5%, Anti Sulfur	MCMR04X515 JTL
Resistor, 0402, 51R, 1%, Anti Sulfur	MCMR04X51R0FTL
Resistor, 0402, 51R1, 1%, Anti Sulfur	MCMR04X51R1FTL
Resistor, 0402, 523R, 1%, Anti Sulfur	MCMR04X5230FTL
Resistor, 0402, 5K23, 1%, Anti Sulfur	MCMR04X5231FTL
Resistor, 0402, 52K3, 1%, Anti Sulfur	MCMR04X5232FTL
Resistor, 0402, 523K, 1%, Anti Sulfur	MCMR04X5233FTL
Resistor, 0402, 52R3, 1%, Anti Sulfur	MCMR04X52R3FTL
Resistor, 0402, 536R, 1%, Anti Sulfur	MCMR04X5360FTL
Resistor, 0402, 5K36, 1%, Anti Sulfur	MCMR04X5361FTL
Resistor, 0402, 53K6, 1%, Anti Sulfur	MCMR04X5362FTL
Resistor, 0402, 536K, 1%, Anti Sulfur	MCMR04X5363FTL
Resistor, 0402, 53R6, 1%, Anti Sulfur	MCMR04X53R6FTL
Resistor, 0402, 549R, 1%, Anti Sulfur	MCMR04X5490FTL
Resistor, 0402, 5K49, 1%, Anti Sulfur	MCMR04X5491FTL
Resistor, 0402, 54K9, 1%, Anti Sulfur	MCMR04X5492FTL
Resistor, 0402, 549K, 1%, Anti Sulfur	MCMR04X5493FTL
Resistor, 0402, 54R9, 1%, Anti Sulfur	MCMR04X54R9FTL
Resistor, 56R, 0402, 5%, Anti Sulfur	MCMR04X560 JTL
Resistor, 0402, 560R, 1%, Anti Sulfur	MCMR04X5600FTL
Resistor, 0402, 5K6, 1%, Anti Sulfur	MCMR04X5601FTL
Resistor, 0402, 56K, 1%, Anti Sulfur	MCMR04X5602FTL
Resistor, 0402, 560K, 1%, Anti Sulfur	MCMR04X5603FTL
Resistor, 560R, 0402, 5%, Anti Sulfur	MCMR04X561 JTL
Resistor, 5K6, 0402, 5%, Anti Sulfur	MCMR04X562 JTL
Resistor, 0402, 562R, 1%, Anti Sulfur	MCMR04X5620FTL
Resistor, 0402, 5K62, 1%, Anti Sulfur	MCMR04X5621FTL
Resistor, 0402, 56K2, 1%, Anti Sulfur	MCMR04X5622FTL
Resistor, 0402, 562K, 1%, Anti Sulfur	MCMR04X5623FTL
Resistor, 56K, 0402, 5%, Anti Sulfur	MCMR04X563 JTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 560K, 0402, 5%, Anti Sulfur	MCMR04X564 JTL
Resistor, 5M6, 0402, 5%, Anti Sulfur	MCMR04X565 JTL
Resistor, 0402, 56R, 1%, Anti Sulfur	MCMR04X56R0FTL
Resistor, 0402, 56R2, 1%, Anti Sulfur	MCMR04X56R2FTL
Resistor, 0402, 576R, 1%, Anti Sulfur	MCMR04X5760FTL
Resistor, 0402, 5K76, 1%, Anti Sulfur	MCMR04X5761FTL
Resistor, 0402, 57K6, 1%, Anti Sulfur	MCMR04X5762FTL
Resistor, 0402, 576K, 1%, Anti Sulfur	MCMR04X5763FTL
Resistor, 0402, 57R6, 1%, Anti Sulfur	MCMR04X57R6FTL
Resistor, 0402, 590R, 1%, Anti Sulfur	MCMR04X5900FTL
Resistor, 0402, 5K9, 1%, Anti Sulfur	MCMR04X5901FTL
Resistor, 0402, 59K, 1%, Anti Sulfur	MCMR04X5902FTL
Resistor, 0402, 590K, 1%, Anti Sulfur	MCMR04X5903FTL
Resistor, 0402, 59R, 1%, Anti Sulfur	MCMR04X59R0FTL
Resistor, 5R1, 0402, 5%, Anti Sulfur	MCMR04X5R1 JTL
Resistor, 5R6, 0402, 5%, Anti Sulfur	MCMR04X5R6 JTL
Resistor, 0402, 604R, 1%, Anti Sulfur	MCMR04X6040FTL
Resistor, 0402, 6K04, 1%, Anti Sulfur	MCMR04X6041FTL
Resistor, 0402, 60K4, 1%, Anti Sulfur	MCMR04X6042FTL
Resistor, 0402, 604K, 1%, Anti Sulfur	MCMR04X6043FTL
Resistor, 0402, 60R4, 1%, Anti Sulfur	MCMR04X60R4FTL
Resistor, 0402, 619R, 1%, Anti Sulfur	MCMR04X6190FTL
Resistor, 0402, 6K19, 1%, Anti Sulfur	MCMR04X6191FTL
Resistor, 0402, 61K9, 1%, Anti Sulfur	MCMR04X6192FTL
Resistor, 0402, 619K, 1%, Anti Sulfur	MCMR04X6193FTL
Resistor, 0402, 61R9, 1%, Anti Sulfur	MCMR04X61R9FTL
Resistor, 62R, 0402, 5%, Anti Sulfur	MCMR04X620 JTL
Resistor, 0402, 620R, 1%, Anti Sulfur	MCMR04X6200FTL
Resistor, 0402, 6K2, 1%, Anti Sulfur	MCMR04X6201FTL
Resistor, 0402, 62K, 1%, Anti Sulfur	MCMR04X6202FTL
Resistor, 0402, 620K, 1%, Anti Sulfur	MCMR04X6203FTL
Resistor, 620R, 0402, 5%, Anti Sulfur	MCMR04X621 JTL
Resistor, 6K2, 0402, 5%, Anti Sulfur	MCMR04X622 JTL
Resistor, 62K, 0402, 5%, Anti Sulfur	MCMR04X623 JTL
Resistor, 620K, 0402, 5%, Anti Sulfur	MCMR04X624 JTL
Resistor, 6M2, 0402, 5%, Anti Sulfur	MCMR04X625 JTL
Resistor, 0402, 62R, 1%, Anti Sulfur	MCMR04X62R0FTL
Resistor, 0402, 634R, 1%, Anti Sulfur	MCMR04X6340FTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 0402, 6K34, 1%, Anti Sulfur	MCMR04X6341FTL
Resistor, 0402, 63K4, 1%, Anti Sulfur	MCMR04X6342FTL
Resistor, 0402, 634K, 1%, Anti Sulfur	MCMR04X6343FTL
Resistor, 0402, 63R4, 1%, Anti Sulfur	MCMR04X63R4FTL
Resistor, 0402, 649R, 1%, Anti Sulfur	MCMR04X6490FTL
Resistor, 0402, 6K49, 1%, Anti Sulfur	MCMR04X6491FTL
Resistor, 0402, 64K9, 1%, Anti Sulfur	MCMR04X6492FTL
Resistor, 0402, 649K, 1%, Anti Sulfur	MCMR04X6493FTL
Resistor, 0402, 64R9, 1%, Anti Sulfur	MCMR04X64R9FTL
Resistor, 0402, 665R, 1%, Anti Sulfur	MCMR04X6650FTL
Resistor, 0402, 6K65, 1%, Anti Sulfur	MCMR04X6651FTL
Resistor, 0402, 66K5, 1%, Anti Sulfur	MCMR04X6652FTL
Resistor, 0402, 665K, 1%, Anti Sulfur	MCMR04X6653FTL
Resistor, 0402, 66R5, 1%, Anti Sulfur	MCMR04X66R5FTL
Resistor, 68R, 0402, 5%, Anti Sulfur	MCMR04X680 JTL
Resistor, 0402, 680R, 1%, Anti Sulfur	MCMR04X6800FTL
Resistor, 0402, 6K8, 1%, Anti Sulfur	MCMR04X6801FTL
Resistor, 0402, 68K, 1%, Anti Sulfur	MCMR04X6802FTL
Resistor, 0402, 680K, 1%, Anti Sulfur	MCMR04X6803FTL
Resistor, 680R, 0402, 5%, Anti Sulfur	MCMR04X681 JTL
Resistor, 0402, 681R, 1%, Anti Sulfur	MCMR04X6810FTL
Resistor, 0402, 6K81, 1%, Anti Sulfur	MCMR04X6811FTL
Resistor, 0402, 68K1, 1%, Anti Sulfur	MCMR04X6812FTL
Resistor, 0402, 681K, 1%, Anti Sulfur	MCMR04X6813FTL
Resistor, 6K8, 0402, 5%, Anti Sulfur	MCMR04X682 JTL
Resistor, 68K, 0402, 5%, Anti Sulfur	MCMR04X683 JTL
Resistor, 680K, 0402, 5%, Anti Sulfur	MCMR04X684 JTL
Resistor, 6M8, 0402, 5%, Anti Sulfur	MCMR04X685 JTL
Resistor, 0402, 68R, 1%, Anti Sulfur	MCMR04X68R0FTL
Resistor, 0402, 68R1, 1%, Anti Sulfur	MCMR04X68R1FTL
Resistor, 0402, 698R, 1%, Anti Sulfur	MCMR04X6980FTL
Resistor, 0402, 6K98, 1%, Anti Sulfur	MCMR04X6981FTL
Resistor, 0402, 69K8, 1%, Anti Sulfur	MCMR04X6982FTL
Resistor, 0402, 698K, 1%, Anti Sulfur	MCMR04X6983FTL
Resistor, 0402, 69R8, 1%, Anti Sulfur	MCMR04X69R8FTL
Resistor, 6R2, 0402, 5%, Anti Sulfur	MCMR04X6R2 JTL
Resistor, 6R8, 0402, 5%, Anti Sulfur	MCMR04X6R8 JTL
Resistor, 0402, 715R, 1%, Anti Sulfur	MCMR04X7150FTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 0402, 7K15, 1%, Anti Sulfur	MCMR04X7151FTL
Resistor, 0402, 71K5, 1%, Anti Sulfur	MCMR04X7152FTL
Resistor, 0402, 715K, 1%, Anti Sulfur	MCMR04X7153FTL
Resistor, 0402, 71R5, 1%, Anti Sulfur	MCMR04X71R5FTL
Resistor, 0402, 732R, 1%, Anti Sulfur	MCMR04X7320FTL
Resistor, 0402, 7K32, 1%, Anti Sulfur	MCMR04X7321FTL
Resistor, 0402, 73K2, 1%, Anti Sulfur	MCMR04X7322FTL
Resistor, 0402, 732K, 1%, Anti Sulfur	MCMR04X7323FTL
Resistor, 0402, 73R2, 1%, Anti Sulfur	MCMR04X73R2FTL
Resistor, 75R, 0402, 5%, Anti Sulfur	MCMR04X750 JTL
Resistor, 0402, 750R, 1%, Anti Sulfur	MCMR04X7500FTL
Resistor, 0402, 7K5, 1%, Anti Sulfur	MCMR04X7501FTL
Resistor, 0402, 75K, 1%, Anti Sulfur	MCMR04X7502FTL
Resistor, 0402, 750K, 1%, Anti Sulfur	MCMR04X7503FTL
Resistor, 750R, 0402, 5%, Anti Sulfur	MCMR04X751 JTL
Resistor, 7K5, 0402, 5%, Anti Sulfur	MCMR04X752 JTL
Resistor, 75K, 0402, 5%, Anti Sulfur	MCMR04X753 JTL
Resistor, 750K, 0402, 5%, Anti Sulfur	MCMR04X754 JTL
Resistor, 7M5, 0402, 5%, Anti Sulfur	MCMR04X755 JTL
Resistor, 0402, 75R, 1%, Anti Sulfur	MCMR04X75R0FTL
Resistor, 0402, 768R, 1%, Anti Sulfur	MCMR04X7680FTL
Resistor, 0402, 7K68, 1%, Anti Sulfur	MCMR04X7681FTL
Resistor, 0402, 76K8, 1%, Anti Sulfur	MCMR04X7682FTL
Resistor, 0402, 768K, 1%, Anti Sulfur	MCMR04X7683FTL
Resistor, 0402, 76R8, 1%, Anti Sulfur	MCMR04X76R8FTL
Resistor, 0402, 787R, 1%, Anti Sulfur	MCMR04X7870FTL
Resistor, 0402, 7K87, 1%, Anti Sulfur	MCMR04X7871FTL
Resistor, 0402, 78K7, 1%, Anti Sulfur	MCMR04X7872FTL
Resistor, 0402, 787K, 1%, Anti Sulfur	MCMR04X7873FTL
Resistor, 0402, 78R7, 1%, Anti Sulfur	MCMR04X78R7FTL
Resistor, 7R5, 0402, 5%, Anti Sulfur	MCMR04X7R5 JTL
Resistor, 0402, 806R, 1%, Anti Sulfur	MCMR04X8060FTL
Resistor, 0402, 8K06, 1%, Anti Sulfur	MCMR04X8061FTL
Resistor, 0402, 80K6, 1%, Anti Sulfur	MCMR04X8062FTL
Resistor, 0402, 806K, 1%, Anti Sulfur	MCMR04X8063FTL
Resistor, 0402, 80R6, 1%, Anti Sulfur	MCMR04X80R6FTL
Resistor, 82R, 0402, 5%, Anti Sulfur	MCMR04X820 JTL
Resistor, 0402, 820R, 1%, Anti Sulfur	MCMR04X8200FTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 0402, 8K2, 1%, Anti Sulfur	MCMR04X8201FTL
Resistor, 0402, 82K, 1%, Anti Sulfur	MCMR04X8202FTL
Resistor, 0402, 820K, 1%, Anti Sulfur	MCMR04X8203FTL
Resistor, 820R, 0402, 5%, Anti Sulfur	MCMR04X821 JTL
Resistor, 8K2, 0402, 5%, Anti Sulfur	MCMR04X822 JTL
Resistor, 82K, 0402, 5%, Anti Sulfur	MCMR04X823 JTL
Resistor, 820K, 0402, 5%, Anti Sulfur	MCMR04X824 JTL
Resistor, 8M2, 0402, 5%, Anti Sulfur	MCMR04X825 JTL
Resistor, 0402, 825R, 1%, Anti Sulfur	MCMR04X8250FTL
Resistor, 0402, 8K25, 1%, Anti Sulfur	MCMR04X8251FTL
Resistor, 0402, 82K5, 1%, Anti Sulfur	MCMR04X8252FTL
Resistor, 0402, 825K, 1%, Anti Sulfur	MCMR04X8253FTL
Resistor, 0402, 82R, 1%, Anti Sulfur	MCMR04X82R0FTL
Resistor, 0402, 82R5, 1%, Anti Sulfur	MCMR04X82R5FTL
Resistor, 0402, 845R, 1%, Anti Sulfur	MCMR04X8450FTL
Resistor, 0402, 8K45, 1%, Anti Sulfur	MCMR04X8451FTL
Resistor, 0402, 84K5, 1%, Anti Sulfur	MCMR04X8452FTL
Resistor, 0402, 845K, 1%, Anti Sulfur	MCMR04X8453FTL
Resistor, 0402, 84R5, 1%, Anti Sulfur	MCMR04X84R5FTL
Resistor, 0402, 866R, 1%, Anti Sulfur	MCMR04X8660FTL
Resistor, 0402, 8K66, 1%, Anti Sulfur	MCMR04X8661FTL
Resistor, 0402, 86K6, 1%, Anti Sulfur	MCMR04X8662FTL
Resistor, 0402, 866K, 1%, Anti Sulfur	MCMR04X8663FTL
Resistor, 0402, 86R6, 1%, Anti Sulfur	MCMR04X86R6FTL
Resistor, 0402, 887R, 1%, Anti Sulfur	MCMR04X8870FTL
Resistor, 0402, 8K87, 1%, Anti Sulfur	MCMR04X8871FTL
Resistor, 0402, 88K7, 1%, Anti Sulfur	MCMR04X8872FTL
Resistor, 0402, 887K, 1%, Anti Sulfur	MCMR04X8873FTL
Resistor, 0402, 88R7, 1%, Anti Sulfur	MCMR04X88R7FTL
Resistor, 8R2, 0402, 5%, Anti Sulfur	MCMR04X8R2 JTL
Resistor, 0402, 909R, 1%, Anti Sulfur	MCMR04X9090FTL
Resistor, 0402, 9K09, 1%, Anti Sulfur	MCMR04X9091FTL
Resistor, 0402, 90K9, 1%, Anti Sulfur	MCMR04X9092FTL
Resistor, 0402, 909K, 1%, Anti Sulfur	MCMR04X9093FTL
Resistor, 0402, 90R9, 1%, Anti Sulfur	MCMR04X90R9FTL
Resistor, 91R, 0402, 5%, Anti Sulfur	MCMR04X910 JTL
Resistor, 0402, 910R, 1%, Anti Sulfur	MCMR04X9100FTL
Resistor, 0402, 9K1, 1%, Anti Sulfur	MCMR04X9101FTL



Automotive and Anti-Sulfuration Chip Resistor 0402



Description	Part Number
Resistor, 0402, 91K, 1%, Anti Sulfur	MCMR04X9102FTL
Resistor, 0402, 910K, 1%, Anti Sulfur	MCMR04X9103FTL
Resistor, 910R, 0402, 5%, Anti Sulfur	MCMR04X911 JTL
Resistor, 9K1, 0402, 5%, Anti Sulfur	MCMR04X912 JTL
Resistor, 91K, 0402, 5%, Anti Sulfur	MCMR04X913 JTL
Resistor, 910K, 0402, 5%, Anti Sulfur	MCMR04X914 JTL
Resistor, 9M1, 0402, 5%, Anti Sulfur	MCMR04X915 JTL
Resistor, 0402, 91R, 1%, Anti Sulfur	MCMR04X91R0FTL
Resistor, 0402, 931R, 1%, Anti Sulfur	MCMR04X9310FTL
Resistor, 0402, 9K31, 1%, Anti Sulfur	MCMR04X9311FTL
Resistor, 0402, 93K1, 1%, Anti Sulfur	MCMR04X9312FTL
Resistor, 0402, 931K, 1%, Anti Sulfur	MCMR04X9313FTL
Resistor, 0402, 93R1, 1%, Anti Sulfur	MCMR04X93R1FTL
Resistor, 0402, 953R, 1%, Anti Sulfur	MCMR04X9530FTL
Resistor, 0402, 9K53, 1%, Anti Sulfur	MCMR04X9531FTL
Resistor, 0402, 95K3, 1%, Anti Sulfur	MCMR04X9532FTL
Resistor, 0402, 953K, 1%, Anti Sulfur	MCMR04X9533FTL
Resistor, 0402, 95R3, 1%, Anti Sulfur	MCMR04X95R3FTL
Resistor, 0402, 976R, 1%, Anti Sulfur	MCMR04X9760FTL
Resistor, 0402, 9K76, 1%, Anti Sulfur	MCMR04X9761FTL
Resistor, 0402, 97K6, 1%, Anti Sulfur	MCMR04X9762FTL
Resistor, 0402, 976K, 1%, Anti Sulfur	MCMR04X9763FTL
Resistor, 0402, 97R6, 1%, Anti Sulfur	MCMR04X97R6FTL
Resistor, 9R1, 0402, 5%, Anti Sulfur	MCMR04X9R1 JTL

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