








Year of 2023- Anti-sulfur Resistors








Anti-Sulfur resistor is using high sulfuration-proof inner electrode material and special construction of termination to increase the strength to against the sulfuration. Sulfuration occurs in the resistor with silver for inner electrode. Sulfurated environment is included as sulfur gas near hot spring or volcanos or produced through firing of raw oil, even outdoor equipment under air pollution could be affected. Silver sulfide produced through this reaction impacts the conductivity therefore resistor gets disconnected.



Viking 's Anti-sulfurated resistors are an ideal choice to prevent your electronic devices being damaged from the high –sulfur environment.


Product applications : automotive electronic components, power supplies, industrial equipment, petrochemical industry electronic equipment, network servers, sulfur detectors, telecom stations, sewage treatment facilities, etc.

Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Thin Film Precision	AR02.A		0402	1/16W	±0.05%~ 0.1%~ ±1%	49.9Ω-100KΩ	±5/10/15/25/50
	AR03.A		0603	1/16W, 1/10W		10Ω-332KΩ	
	AR05.A		0805	1/10W, 1/8W		10Ω-1MΩ	
	AR06.A		1206	1/8W, 1/4W			
	AR13.A		1210	1/4W, 1/3W			
	AR10.A		2010	1/4W, 1/3W			
	AR12.A		2512	1/2W			
Tantalum Nitride Precision	TAR02		0402	1/16W	±0.05%~ ±1%	40Ω - 35KΩ	±10/15/25/50
	TAR03		0603	1/6W		40Ω – 130KΩ	
	TAR05		0805	1/5W		10Ω – 350KΩ	
	TAR06		1206	1/2W		10Ω - 1MΩ	
Metal Film Precision	ARM02A		0402	1/32W,1/16W,1/8W	± 0.02%~ ±0.5%	10Ω - 150KΩ	±5/10/25/50/100
	ARM03A		0603	1/16W,1/10W,1/6W		10Ω - 1MΩ	
	ARM05A		0805	1/10W,1/8W,1/4W		10Ω - 2.7MΩ	
	ARM06A		1206	1/8W,1/4W		10Ω - 5.1MΩ	
Professional High Temp	ART02A		0402	1/10W	±0.1%~±1%	49.9Ω – 221KΩ	±25/50
	ART03A		0603	3/20W		1Ω – 511KΩ	
	ART05A		0805	1/5W		1Ω-1MΩ	
	ART06A		1206	2/5W			
High power / Temp	ARTP02A		0402	1/5W	±0.1%~ ±1%	47Ω-100KΩ	±25/50
	ARTP03A		0603	1/4W		10Ω-100KΩ	
	ARTP05A		0805	2/5W			
High Voltage	ARHV05A		0805 (900V)	1/5W	±0.1%~±1%	180KΩ –1MΩ	±25/50
	ARHV06A		1206(1400V)	1/4W		160KΩ –2MΩ	
	ARHV13A		1210 (2000V)	1/3W		121KΩ –3.01MΩ	
Thick Film Low TC Current Sensing	CS02.A		0402	1/16W, 1/8W	±1%, ±2%, ±5%	50mΩ~1Ω	±100~ ±400
	CS03.A		0603	1/10W,1/8W,1/5W		20mΩ~1Ω	
	CS05.A		0805	1/8W, 1/4W, 1/2W		10mΩ~1Ω	±100~ ±600
	CS06.A		1206	1/4W, 1/2W			
	CS13.A		1210	1/2W, 3/4W			
	CS10.A		2010	3/4W, 1W			
	CS12.A		2512	1W, 1.5W, 2W			
	CS25.A		1225	3W		3mΩ~8Ω	±100~ ±300, ±600
	CS37.A		3720	1W		10mΩ~500mΩ	
	CS75.A		7520	2W		1mΩ~350mΩ	

Anti-sulfur Components

Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
MELF Metal Film Precision	CSRA0102		0102	1/5W, 3/10W	±0.1%~±5%	0Ω, 1Ω~1MΩ	±5/±10/±15/±25/ ±50/±100
	CSRA0204		0204	1/4W, 2/5W		0Ω, 0.1Ω~10MΩ	
	CSRA0207		0207	1/2W, 1W			
High Voltage	CSR0204		0204	2/5W, 500V	±0.1%~ ±1%	340KΩ~10MΩ	±25/50
	CSR0207		0207	1W, 1000V			
Thick Film	CR-01.A		0201	1/20W	±0.5% ±1% , ±5%	0Ω,1Ω~10MΩ	±100/±200
	CR-02.A		0402	1/16W, 1/8W			
	CR-03.A		0603	1/10W, 1/4W			
	CR-05.A		0805	1/8W, 1/3W			
	CR-06.A		1206	1/4W, 1/2W			
	CR-10.A		1210	1/2W			
	CR-0A.A		2010	3/4W, 1W			
	CR-12.A		2512	1W, 2W			
High Precision	CRTC02A		0402	1/16W ,1/8W	±0.1%~ ±1%	300Ω~1MΩ	±25
	CRTC03A		0603	1/10W ,1/5W		10Ω~10MΩ	
	CRTC05A		0805	1/8W,1/4W			
	CRTC06A		1206	1/4W,1/3W			
	Thick Film Green Parts Lead Free		CRG02.A				
CRG03.A		0603	1/10W				
CRG05.A		0805	1/8W				
CRG06.A		1206	1/4W				
CRG10.A		1210	1/3W				
CRG0A.A		2010	3/4W				
CRG12.A		2512	1W				
Anti-Sulfur	AS01.A		0201	1/20W	±0.5% ±1%, ±5%	0Ω,1Ω~10MΩ	±100,±200
	AS02.A		0402	1/16W			
	AS03.A		0603	1/10W			
	AS05.A		0805	1/8W			
	AS06.A		1206	1/4W			
	AS10.A		1210	1/3W			
	AS0A.A		2010	3/4W			
	AS12.A		2512	1W			
Anti-Sulfur Green Parts	ASG02.A		0402	1/16W,1/10W	±0.5% ±1%, ±5%	0Ω,1Ω~10MΩ	±100,±200
	ASG03.A		0603	1/10W,1/4W			
	ASG05.A		0805	1/8W,1/3W			
	ASG06.A		1206	1/4W,1/2W			
	ASG10.A		1210	1/3W,3/4W			
	ASG0A.A		2010	3/4W,1W			
	ASG12.A		2512	1W,1.5W			

Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Anti-Sulfur	AS01		0201	1/20W,1/12W	±0.5%, ±1%, ±5%	0Ω,1Ω~10MΩ	±100/±200
	AS02		0402	1/16W,1/10W			
	AS03		0603	1/10W,1/4W			
	AS05		0805	1/8W,1/3W			
	AS06		1206	1/4W,1/2W			
	AS10		1210	1/3W,3/4W			
	AS0A		2010	3/4W,1W			
	AS12		2512	1W			
Resistor Array	AS-21		0201*2	1/32W	±5%	3Ω~9.1Ω	±300
	AS-41		0201*4	1/32W	±1%, ±5%	10Ω~1MΩ	± 200
	AS-42		0402*2	1/16W		1Ω~1MΩ	
	AS-43		0603*4	1/10W			

Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
High Precision Thick Film	CRTC02A		0402	1/16W ,1/8W	±0.1%~ ±1%	300Ω~1MΩ	±25
	CRTC03A		0603	1/10W ,1/5W		10Ω~10MΩ	
	CRTC05A		0805	1/8W,1/4W			
	CRTC06A		1206	1/4W,1/3W			