

VIKING Catalogue - Aldinet

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About Viking

Viking Product Overview

Viking Tech, is an advanced technology passive component manufacturer, offering resistors include thin film/ precision / MELF/ special components, capacitors and inductors in different technical functions with exceptional quality and service.

Quality System

Standard Registration

IATF16949

ISO9001

ISO14001

ISO13485

For More

REACH

VDA6.3



RoHS
COMPLIANT

Core Technology

Wide Range of Various Passive Components

REACH for Excellence

Proficient Research and Development

Quality Assurance

Customer Satisfaction

Innovation

Improvement

Business Philosophy

Nominal Resistance / Capacitance

E1	100																							
E3	100								220								470							
E6	100				150				220				330				470				680			
E12	100	120	150	180	220	270	330	390	470	560	680													
E24	100	110	120	130	150	160	180	200	220	240	270	300	330	360	390	430	470	510	560	620	680	750	820	910
E96	100	102	105	107	110	113	115	118	121	124	127	130	133	137	140	143	147	150	154	158	162	165	169	174
	178	182	187	191	196	200	205	210	215	221	226	232	237	243	249	255	261	267	274	280	287	294	301	309
	316	324	332	340	348	357	365	374	383	392	402	412	422	432	442	453	464	475	487	499	511	523	536	549
	562	576	590	604	619	634	649	665	681	698	715	732	750	768	787	806	825	845	866	887	909	931	953	976
E192	100	101	102	104	105	106	107	109	110	111	113	114	115	117	118	120	121	123	124	126	127	129	130	132
	133	135	137	138	140	142	143	145	147	149	150	152	154	156	158	160	162	164	165	167	169	172	174	176
	178	180	182	184	187	189	191	193	196	198	200	203	205	208	210	213	215	218	221	223	226	229	232	234
	237	240	243	246	249	252	255	258	261	264	267	271	274	277	280	284	287	291	294	298	301	305	309	312
	316	320	324	328	332	336	340	344	348	352	357	361	365	370	374	379	383	388	392	397	402	407	412	417
	422	427	432	437	442	448	453	459	464	470	475	481	487	493	499	505	511	517	523	530	536	542	549	556
	562	569	576	583	590	597	604	612	619	626	634	642	649	657	665	673	681	690	698	706	715	723	732	741
	750	759	768	777	787	796	806	816	825	835	845	856	866	876	887	898	909	920	931	942	953	965	976	988



EXPERT OF
Thin Film Technology
 Make things smaller
 and smarter



	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Thin Film	Precision NiCr	AR01		0201	1/32W, 1/20W	±0.1%~±1%	22Ω~75KΩ	±25/50
		AR02		0402	1/16W, 1/10W	±0.01%~±1%	4Ω~511KΩ	±10/15/25/50
		AR03		0603	1/16W, 1/10W, 1/6W		1Ω~1MΩ	
		AR05		0805	1/10W, 1/8W, 1/4W		1Ω~2MΩ	
		AR06		1206	1/8W, 1/4W, 1/3W		1Ω~2.49MΩ	
		AR13		1210	1/4W, 1/3W		1Ω~3MΩ	
		AR10		2010	1/4W, 1/3W, 1/2W			
		AR12		2512	1/2W, 3/4W, 1W			
	Ultra low TCR Precison NiCr	AR02		0402	1/16W, 1/10W	±0.01%~±1%	49.9Ω~20KΩ	±1/2/3/5
		AR03		0603	1/16W, 1/10W		24.9Ω~60KΩ	
		AR05		0805	1/10W, 1/8W		24.9Ω~150KΩ	
		AR06		1206	1/8W, 1/4W		24.9Ω~300KΩ	
		AR13		1210	1/4W, 1/3W			
		AR10		2010	1/4W, 1/3W			
		AR12		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	
	High Frequency	ARF02		0402	1/20W	±0.1%~±1%	10Ω~1KΩ	±25/50
		ARF03		0603	1/8W			
		ARF05		0805	1/5W			
		ARF06		1206	1/3W			
	Precision Aluminum Nitride	ARN03		0603	1/2W	±0.1%~±1%	50Ω~30.1KΩ	±25/50
		ARN05		0805	1W			
		ARN06		1206	2W			
		ARN12		2512	6W			
	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 power	ARP06		1206	1W	±0.1%~±1%	47Ω~100KΩ	±25
							10Ω~100KΩ	±50
	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	
	Precision Resistor for Advanced Meter	RAM02		0402	1/16W	±0.1%~±1%	1Ω~100KΩ	±25/50
		RAM03		0603	1/16W,1/10W		1Ω~332KΩ	
		RAM05		0805	1/10W,1/8W		1Ω~1MΩ	

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Thin Film	Precision Resistor for Advanced Meter	RAM06		1206	1/8W, 1/4W	±0.1%~±1%	1Ω~1MΩ	±25/50
		RAM13		1210	1/4W			
		RAM10		2010	1/4W			
		RAM12		2512	1/2W			
	Anti-Corrosive Precision	PR02		0402	1/16W	±0.1%~±1%	24.9Ω~24.9KΩ	±15/25/50
		PR03		0603	1/16W, 1/10W		24.9Ω~332KΩ	
		PR05		0805	1/10W, 1/8W		10Ω~1MΩ	
		PR06		1206	1/8W, 1/4W			
		PR10		2010	1/4W		10Ω~1.5MΩ	
		PR12		2512	1/2W			
	General Purpose	ARG02		0402	1/16W	±0.1%~±1%	4.7Ω~255KΩ	±25/50
		ARG03		0603	1/10W		1Ω~1MΩ	
		ARG05		0805	1/8W		1Ω~2MΩ	
		ARG06		1206	1/4W		1Ω~2.49MΩ	
	Array	TFAN43		0603*4	1/16W	±0.5%~±1%	24.9~332K	±5/10/15/25/50
			1/10W					
MELF	Metal Film Precision	CSR0204		0204	1/4W, 2/5W	±0.1%~±5%	0.1Ω~10MΩ	±5/10/15/25/50/100
		CSR0207		0207	1/2W, 1W			
	Advanced	CSRV0102		0102	1/8, 1/5W, 0.3W	±0.1%~±5%	1Ω~1MΩ	±15/25/50/100
		CSRV0204		0204	1/4W, 2/5W		0.1Ω~3.4MΩ	
		CSRV0207		0207	1/2W, 1W			
		CSRV0207		0207	1/2W, 1W			
	High Frequency	CSR0102		0102	1/5W, 3/10W	±1%	50Ω, 6.8Ω~100Ω	±50
		CSR0204		0204	1/4W, 2/5W		50Ω, 1.5Ω~220Ω	
		CSR0207		0207	1/2W, 1W		50Ω, 6.8Ω~220Ω	
	High Voltage	CSR0204		0204	2/5W, 500V	±0.1%~±1%	340KΩ~10MΩ	±25/50
CSR0207		0207	1W, 1000V					
Current Sensing	Thin Film Precision	TCS02		0402	1/16W	±0.5%~±1%	500mΩ~1Ω	±50/100/200
		TCS03		0603	1/10W		200mΩ~1Ω	
		TCS05		0805	1/8W		50mΩ~1Ω	
		TCS06		1206	1/4W			
		TCS10		2010	3/4W			
		TCS12		2512	1W, 3W			
		Thick Film Current Sensing		Thick Film Low TC	CS01			
CS02	0402		1/16W, 1/8W		50mΩ~1Ω	±200~±400		
CS03	0603		1/10W, 1/8W, 1/5W		20mΩ~1Ω	±100~±600		
CS05	0805		1/8W, 1/4W, 1/2W		10mΩ~1Ω	±100~±600		
CS06	1206		1/4W, 1/2W, 1W					
CS13	1210		1/2W, 3/4W					
CS10	2010		3/4W, 1W					
CS12	2512		1W, 1.5W, 2W					
CS62			0612		1W	±1%, ±2%, ±5%	10mΩ~1Ω	±100~±600
CS25			1225		3W		3mΩ~8Ω	±100~±300
CS37			3720		1W		10mΩ~500mΩ	
CS75			7520		2W		1mΩ~350mΩ	
Low TC	CSN05			0805	1/8W, 1/4W	±1%, ±2%, ±5%	20mΩ~1Ω	±50~±600
	CSN06			1206	1/4W, 1/2W, 1W		10mΩ~1Ω	

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Thick Film Current Sensing	Low TC	CSN13		1210	1/2W, 3/4W	±1%, ±2%, ±5%	10mΩ~1Ω	±50~±600
		CSN10		2010	3/4W, 1W			
		CSN12		2512	1W, 1.5W, 2W			
	Wide Terminal	CSW08		0508	1/2W, 1W	±1%, ±5%	10mΩ~510mΩ	±100/±200/±600
		CSW62		0612	3/4W, 1.5W			
		CSW20		1020	1W, 2W			
		CSW25		1225	1.5W, 3W			
	Thick Film	RS-02		0402	1/16W, 1/10W	±1%, ±5%	50mΩ~1Ω	±500~±800
		RS-03		0603	1/10W, 1/8W		20mΩ~1Ω	±500~±1200
		RS-05		0805	1/8W, 1/4W		10mΩ~1Ω	±500~±1500
		RS-06		1206	1/4W, 1/2W			
		RS-10		1210	1/3W, 1/2W			
		RS-0A		2010	3/4W, 1W			
		RS-12		2512	1W, 2W			
Metal	Metal Ultra Low Ohm	LR10		2010	1.5W	±1%, ±3%, ±5%	0.5mΩ~10mΩ	±50~±150
		LR12		2512	1W, 2W, 3W			
	High power Metal Strip	LRP06		1206	1W	±0.5%, ±1%, ±5%	3mΩ~40mΩ	±50/75/100
		LRP10		2010	1W, 2W		4mΩ~100mΩ	±75
		LRP12		2512	2W, 3W		3mΩ~200mΩ	±25/50/75
		LRP12H		2512	2W, 3W	±1%	0.5mΩ~50mΩ	±50/±100/±150
	Ultra-Low Ohm Jumper	LRJ02		0402	20A	Jumper	0.5mΩMax	-
		LRJ03		0603	22.4A			-
		LRJ05		0805	31.6A			-
		LRJ06		1206	50A		0.2mΩMax	-
		LRJ10		2010	71A			-
		LRJ12		2512	100A			-
	Shunt Resistor	LRS0630		0630	3W~5W	±1%, ±5%	0.9mΩ~4mΩ	±50~±150
		LRS1050		1050	2W~5W		0.2mΩ~5mΩ	
		LRS1575		1575	3W~7W		0.2mΩ~5mΩ	
	Metal Strip	LRC06		1206	1/2W~1.5W	±0.5%, ±1%, ±5%	1mΩ~75mΩ	±50/75
		LRC12		2512	1W, 2W, 3W		0.5mΩ~500mΩ	
		LRC25		2725	4W		0.2mΩ~3mΩ	
		LRC28		2728	4W		4mΩ~450mΩ	
		LRC27		4527	2W~5W		0.5mΩ~500mΩ	
	Metal Foil Low Ohm	CSM02		0402	1/4W	±0.5%~±5%	3mΩ~50mΩ	±100
		CSM03		0603	1/8W, 1/2W		3mΩ~100mΩ	±50/±100
		CSM05		0805	1/4W, 3/4W			
		CSM06		1206	1/2W, 1W			
		CSM10		2010	3/4W, 1.5W			
		CSM12		2512	1W, 2W			
	Metal Foil Low Ohm	MF02		0402	1/5W	±1%, ±2%, ±5%	10mΩ	±100
		MF03		0603	1/2W		5mΩ~30mΩ	±50/±100±/200
		MF05		0805	3/4W~1/2W		3mΩ~50mΩ	
		MF06		1206	1/2W, 1W		3mΩ~68mΩ	
		MF10		2010	1W		2mΩ~100mΩ	
		MF12		2512	1W, 2W		2mΩ~200mΩ	

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM	
	Four Terminal High Precision	4T06		1206	1/2W	±0.5%~±5%	10mΩ~20mΩ	±50/±75/±100	
		4T10		2010	3/4W				
Thick Film	General Purpose	CR-E5		01005	1/32W	±1%, ±5%	0Ω, 10Ω~1MΩ	±300	
		CR-01		0201	1/20W	±0.5%~±5%	0Ω, 1Ω~10MΩ	±200	
		CR-02		0402	1/16W, 1/8W		0Ω, 1Ω~100MΩ	±50/±100/ ±200/±400	
		CR-03		0603	1/10W, 1/4W				
		CR-05		0805	1/8W, 1/3W				
		CR-06		1206	1/4W, 1/3W, 1/2W	±0.1%~±0.5%, ±1%~±5%			
		CR-10		1210	1/3W, 1/2W, 3/4W				
		CR-0A		2010	3/4W, 1W				
		CR-12		2512	1W, 2W				
		High Precision		CRTC02A		0402			1/16W, 1/8W
	CRTC03A		0603	1/10W, 1/5W					
	CRTC05A		0805	1/8W, 1/4W					
	CRTC06A		1206	1/4W, 1/3W					
	Green Parts Lead Free	CRG01		0201	1/20W	±1%, ±5%	0Ω, 1Ω~4.3MΩ	±200	
		CRG02		0402	1/16W		0Ω, 1Ω~10MΩ	±100/±200	
		CRG03		0603	1/10W				
		CRG05		0805	1/8W				
		CRG06		1206	1/4W				
		CRG10		1210	1/3W				
		CRG0A		2010	3/4W				
		CRG12		2512	1W				
	Aluminum Nitride	CRP06		1206	2.4W	±1%, ±5%	10Ω~2KΩ	±150	
		CRP12		2512	3.5W		3Ω~2KΩ		
	Long Terminal	CRW25		1225	2W, 3W	±0.5%, ±1%, ±5%	0Ω, 1Ω~1MΩ	±100/±150/ ±200	
		CRW20		1020	1.5W, 2W				
		CRW62		0612	1W, 1.5W				
		CRW08		0508	0.75W, 1W				
	High ohm	HMR05		0805	1/8W	±5%	110MΩ~1GΩ	±500/±1000	
		HMR06		1206	1/4W				
	Thick Film Special & Functional	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				
Pulse Withstanding		PWR02		0402	1/5W	±0.5%, ±1%, ±5%	1Ω~1MΩ	±100/±200/ ±300	
		PWR03		0603	1/10W, 1/4W, 1/3W		1Ω~20MΩ	±100/±200	
		PWR05		0805	1/8W, 2/5W, 1/2W				
		PWR06		1206	1/3W, 1/2W, 3/4W				
		PWR13		1210	1/2W, 3/4W, 1W				
		PWR10		2010	3/4W, 1W, 1.25W				
	PWR12	2512		1.5W, 2W					

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Thick Film Special & Functional	Surge Withstanding	SWR02		0402	1/5W	±5%, ±10%, ±20%	10Ω~1MΩ	±100/±300
		SWR03		0603	1/8W, 1/4W		1Ω~20MΩ	±100/±200/±350
		SWR05		0805	1/4W, 2/5W, 1/2W			
		SWR06		1206	1/3W, 1/2W, 3/4W			
		SWR13		1210	1/2W, 3/4W			
		SWR10		2010	3/4W, 1W			
		SWR12		2512	1.5W, 2W			
	High Voltage	HVR02		0402	1/16W, 200V	±1%, ±5%	39KΩ~100MΩ	±100/±200/±400
		HVR03		0603	1/10W, 400V		56KΩ~100MΩ	
		HVR05		0805	1/8W, 800V		100KΩ~100MΩ	
		HVR06		1206	1/4W, 1000V		100KΩ~100MΩ	
		HVR0A		2010	1/2W, 3000V		51KΩ~100MΩ	
		HVR12		2512	1W, 4000V		30KΩ~100MΩ	
	High Voltage LOW VCR	HVRC06		1206	1/3W, 1500V	±1%, ±5%	100KΩ~500MΩ	VCR<25PPM
		HVRC0A		2010	1/2W, 3000V		51KΩ~500MΩ	
		HVRC12		2512	1W, 4000V		30KΩ~500MΩ	
	Resistor Flat typeArray	CN-21		0201*2	1/32W	±5%	3Ω~9.1Ω	±300
		CN-21		0201*2		±1%, ±5%	0Ω, 1Ω~1MΩ	±200
		CN-41		0201*4				
	Flat Array	CNF22		0402*2	1/16W	±1%, ±5%	0Ω, 1Ω~1MΩ	±200
		CNF42		0402*4			0Ω, 1Ω~10MΩ	
		CNF43		0603*4	1/10W, 1/8W			
	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			
	Trimmable	RT-02		0402	1/16W	0~±10%, 0~±20%, 0~±30%	1Ω~10MΩ	±200
		RT-03		0603	1/10W			±100/±200
		RT-05		0805	1/8W			
		RT-06		1206	1/4W			
		RT-10		1210	1/3W			
		RT-0A		2010	3/4W			
		RT-12		2512	1W			
	Power Resistor	TR30	 	TO220	30W	±1%, ±5%	0.05Ω~100KΩ	±50/100/ 200/300
		TR35		TO220	35W			
		TR50		TO220	50W			
		TR50H		TO220	50W			
		STR35		TO263	SMD 35W			
		TR100		TO247	100W			
	Wirewound	QR		Q Type	75W-2000W	±5%	0.5Ω~160Ω	--
Leaded	High Precision Resistor	MFD0727		0727	1/4W	±0.02%~1%	10Ω~1MΩ	±5/±10/
		MFD1040		1040	1/2W			±15±/25

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Leaded	Metal Film	MFR0318		0318	1/8W~2/5W	±0.05%, ±0.1%~±1%	0.1Ω~10MΩ	±5/±10/±15/ ±25/±50/±100
		MFR0623		0623	1/4W~3/5W			
		MFR0932		0932	1/2W~1W			
		MFR1145		1145	1W~2W			
		MFR1550		1150	2W~3W			
	Metal Oxide Film	MOF0623		0623	1/4W, 1/2W	±1%, ±2%, ±5%	0.1Ω~10MΩ	±200
		MOF0932		0932	1/2W, 1W		0.1Ω~560KΩ	
		MOF1145		1145	1W, 2W			
		MOF1550		1550	2W, 3W			
		MOF1765		1765	3W, 5W			
		MOF2485		2485	5W, 7W			
	Metal Glazed	MGR0623		0623	1/4W, 1/2W	±1%~±5%	100KΩ~500MΩ	±100/±200/ ±500
		MGR0932		0932	1/2W, 1W			
		MGR1145		1145	1W, 2W			
		MGR1550		1550	2W, 3W			
		MGR1760		1760	3W, 5W			
	Metal Film Flame-Proof	FMR0623		0623	1/4W, 1/2W	±0.1%~±1%	0.1Ω~4.7MΩ	±15/±25/ ±50/±100
		FMR0932		0932	1/2W, 1W			
		FMR1145		1145	1W, 2W			
		FMR1550		1550	2W, 3W			
	Carbon Film	CFR0318		0318	1/8W, 1/4W	±2%, ±5%	0.1Ω~22MΩ	--
		CFR0623		0623	1/4W, 1/2W			
		CFR0932		0932	1/2W, 1W			
		CFR1145		1145	1W, 2W			
		CFR1550		1550	2W, 3W			
	Wire Wound	KNP0932		0932	1/2W, 1W	±1%, ±5%	0.1Ω~150Ω	±400
		KNP1145		1145	1W, 2W		0.1Ω~470Ω	
		KNP1550		1550	2W, 3W		0.1Ω~560Ω	
		KNP1760		1760	3W, 5W			
		KNP2480		2480	5W, 7W			
Carbon	Carbon Film	CFS0204		0204	1/4W	±2%, ±5%	1Ω~1MΩ	--
		CFS0207		0207	1/2W, 1W			
		CFS0309		0309	1W, 2W			
Automotive	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	

Automotive

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
	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	±100~±600
		CS05.A		0805	1/8W, 1/4W, 1/2W		10mΩ~1Ω	
		CS06.A		1206	1/4W, 1/2W			
		CS13.A		1210	1/2W, 3/4W			
		CS10.A		2010	3/4W, 1W		±100~±300, ±600	
		CS12.A		2512	1W, 1.5W, 2W			
		CS25.A		1225	3W			
		CS37.A		3720	1W			
		CS75.A		7520	2W			
	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			
		CSRA0207		0207	1/2W, 1W			
	High Voltage	CSRP0204		0204	2/5W, 500V	±0.1%~±1%	340KΩ~10MΩ	±25/50
		CSRP0207		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		0402	1/16W	±1%, ±5%	0Ω, 1Ω~10MΩ	±100/±200
		CRG03.A		0603	1/10W			
		CRG05.A		0805	1/8W			
		CRG06.A		1206	1/4W			
		CRG10.A		1210	1/3W			

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM				
Automotive	Thick Film Green Parts Lead Free	CRG0A.A		2010	3/4W	±1%, ±5%	0Ω, 1Ω~10MΩ	±100/±200				
		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
	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								
	Resistor Array	CN-21.A		0201*2	1/32W	±1%, ±5%	3Ω~9.1Ω	±300				
		CN-21.A			1/32W		0Ω, 10Ω~1MΩ	±200				
		CN-41.A		0201*4	1/32W				0Ω, 1Ω~1MΩ			
		CN-42.A		0402*4	1/16W							
		CN-43.A		0603*4	1/10W							
	Resistor Array	CNF22.A		0402*2	1/16W	±1%, ±5%	0Ω, 1Ω~1MΩ	±200				
		CNF22.A		0402*2			0Ω, 1Ω~10MΩ					
		CNF42.A		0402*4	1/10W, 1/8W							
		CNF43.A		0603*4								
	Resistor Array	AS-21.A		0201*2	1/32W	±5%	3Ω~9.1Ω	±300				
		AS-21.A			1/32W	±1%, ±5%	10Ω~1MΩ	±200				
		AS-41.A		0201*4	1/32W		1Ω~1MΩ					
		AS-42.A		0402*4	1/16W							
		AS-43.A		0603*4	1/10W							
	Wide Terminal	CRW25.A		1225	2W, 3W	±0.5%, ±1%, ±5%	0Ω, 1Ω~1MΩ	±100/1±50/ ±200				
		CRW20.A		1020	1.5W, 2W							
		CRW62.A		0612	1W, 1.5W							
		CRW08.A		0508	0.75W, 1W							
	Pulse Withstanding	PWR02.A		0402	1/5W	±0.5%, ±1%, ±5%	1Ω~1MΩ	±100/±200/±300				
		PWR03.A		0603	1/10W, 1/4W, 1/3W		1Ω~20MΩ	±100, ±200				
		PWR05.A		0805	1/8W, 2/5W, 1/2W							
		PWR06.A		1206	1/3W, 1/2W, 3/4W							
		PWR13.A		1210	1/2W, 3/4W, 1W							
		PWR10.A		2010	3/4W, 1W, 1.25W							
		PWR12.A		2512	1.5W, 2W							
	Surge Withstanding	SWR02.A		0402	1/5W	±5%, ±10%, ±20%	1Ω~1MΩ	±100/±200/±300				
		SWR03.A		0603	1/8W, 1/4W		1Ω~20MΩ	±100, ±200				
		SWR05.A		0805	1/4W, 2/5W, 1/2W							
		SWR06.A		1206	1/3W, 1/2W, 3/4W							

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM	
Automotive	Surge Withstanding	SWR13.A		1210	1/2W, 3/4W	±5%,±10%, ±20%	1Ω~20MΩ	±100, ±200	
		SWR10.A		2010	3/4W, 1W				
		SWR12.A		2512	1.5W, 2W				
	High Voltage	HVR02.A		0402	1/16W, 200V	±1%, ±5%	39KΩ~100MΩ	±100, ±200, ±400	
		HVR03.A		0603	1/10W, 400V		56KΩ~100MΩ		
		HVR05.A		0805	1/8W, 800V		100KΩ~100MΩ		
		HVR06.A		1206	1/4W, 1000V				
		HVR0A.A		2010	1/2W, 3000V		51KΩ~100MΩ		
		HVR12.A		2512	1W, 4000V		30KΩ~100MΩ		
	High Voltage LOW VCR	HVRC06		1206	1/3W, 1500V	±0.5%, ±1%, ±5%	100KΩ~500MΩ	±100, VCR<25	
		HVRC0A		2010	1/2W, 3000V		51KΩ~500MΩ		
		HVRC12		2512	1W, 4000V		30KΩ~500MΩ		
	Metal Foil Low Ohm	MF03.A		0603	1/4W, 1/3W, 1/2W	±1%, ±2%, ±5%	5mΩ~20mΩ	±50/±100±/200	
		MF05.A		0805	1/4W, 1/3W, 1/2W		3mΩ~47mΩ		
		MF06.A		1206	1/2W, 1W		3mΩ~56mΩ		
		MF10.A		2010	1W		3mΩ~100mΩ		
		MF12.A		2512	1W, 2W		2mΩ~200mΩ		
	High power Metal Strip	LRP06.A		1206	1W	±0.5%, ±1%, ±5%	3mΩ~40mΩ	±50/75/100	
		LRP10.A		2010	1W, 2W		4mΩ~100mΩ	±75	
		LRP12.A		2512	2W, 3W		3mΩ~200mΩ	±25/50/75	
Capacitor (Automotive available)	Multilayer	MCF01		0201	6.3V~50V	±0.1pF~ ±0.5pF, ±1%~ ±5%, ±10%~20%, +80/20%	NPO/X7R/X5R		
		MCF02		0402	10V~50V		NPO/X7R/X6R/ Y5V 0.5pF~100uF		
		MCF03		0603	6.3V~250V				
		MCF05		0805	6.3V~630V				
		MCF06		1206	6.3V~2000V				
		MCF10		1210	6.3V~2000V				
		MCF08		1808	6.3V~3000V				
		MCF12		1812	6.3V~3000V				
		MCHL		High Q and Low ESR			NPO		
		MCRF		Ultra High Q,Low ESR					
		MCLI		Low Inductance			X7R		



EMS 653984



Chip Inductor

	Series	PN	Product	Size	Inductance	Tol	IDC	DCR
RF Ceramic Inductor	Thin Film	AL01		0201	0.1nH~10nH	$\pm 0.1\text{nH} \sim \pm 0.3\text{nH}$, $\pm 1\%, 2\%$	80mA~850mA	0.2 Ω ~3.5 Ω
		AL02		0402	0.2nH~33nH		75mA~1000mA	0.1 Ω ~4.5 Ω
	Multilayer	CL01-S		0201	0.6nH~120nH	$\pm 0.1\text{nH} \sim \pm 0.3\text{nH}$, $\pm 2\% \sim \pm 5\%, \pm 10\%$	80mA~1000mA	0.05 Ω ~5 Ω
		CL02-S		0402	1nH~360nH		80mA~1000mA	0.06 Ω ~6 Ω
		CL03-S		0603	1nH~680nH		100mA~500mA	0.05 Ω ~4.5 Ω
	Wire- wound	WL01		0201	0.5nH~14nH	$\pm 0.2\text{nH} \sim \pm 0.3\text{nH}$, $\pm 2\% \sim \pm 5\%$	50mA~1.25A	0.02 Ω ~0.5 Ω
		WL02		0402	1nH~120nH		270mA~2.3A	0.03 Ω ~2.66 Ω
		WL03		0603	1.6nH~470nH		80mA~2.4A	0.03 Ω ~3.6 Ω
		WL05		0805	2.7nH~4700nH		90mA~1.6A	0.06 Ω ~6.4 Ω
		WL08		1008	3.3nH~15000nH		120mA~1.6A	0.02 Ω ~11.5 Ω
Ferrite Inductor	Ferrite Multilayer	ML03		0603	47nH ~47000nH	$\pm 10\%, \pm 20\%$	3mA~300mA	0.14 Ω ~2.55 Ω
		ML05		0805				
		ML06		1206				
		ML(H)05		0805	0.47 μH ~4.7 μH	$\pm 20\%$	500mA~1.8A	0.07 Ω ~0.3 Ω
		ML(H)06		0806				
		ML(H)08		1008				
	Ferrite Wireound	NL02		0402	0.018 μH ~0.56 μH	$\pm 5\% \sim \pm 20\%$	200mA~1600mA	0.05 Ω ~1.1 Ω
		NL03		0603	0.27 μH ~47 μH		100mA~950mA	0.0338 Ω ~14.56 Ω
		NL05		0805	0.078 μH ~47 μH		60mA~2A	0.076 Ω ~21.6 Ω
		NL08		1008	0.1 μH ~100 μH		200mA~1.3A	0.2 Ω ~19.6 Ω
		NL10		1210	0.18 μH ~150 μH		65mA~450mA	0.28 Ω ~15 Ω
		NL12		1812	0.18 μH ~820 μH		30mA~700mA	0.24 Ω ~35 Ω
		NL20		2220	1.2uH~10uH		25mA~75mA	17 Ω ~150 Ω
		NL03 (C)		0603	0.047 μH ~15 μH		240mA~1.8A	0.075 Ω ~9.5 Ω
		NL05 (C)		0805	0.1 μH ~220 μH		70mA~2.4A	0.091 Ω ~30.03 Ω
		NL08 (C)		1008	0.078 μH ~330 μH		130mA~3.2A	0.042 Ω ~32.5 Ω
		NL10 (C)		1210	1 μH ~100 μH		75mA~770mA	0.156 Ω ~10.14 Ω
		NL12 (C)		1812	1 μH ~680 μH		65mA~1.05A	0.11 Ω ~24 Ω
		NL20 (C)		2220	1 μH ~1000 μH		85mA~1.8A	0.03 Ω ~15 Ω
	Metal	NLD02		0402	1 μH ~2.2 μH	$\pm 20\%, \pm 30\%$	0.6A~1.1A	0.28 Ω ~0.88 Ω
		NLD03		0603	1 μH ~10 μH		0.63A~1.8A	0.16 Ω ~1.06 Ω
Common Mode Filter	Multilayer	CMX04B		0504	67/90/120 Ω	$\pm 25\%$	300mA	10V, 0.5~0.6 Ω
		CMX05B		0805	67/90/120/160/ 180/220 Ω		300~400mA	10V, 0.4~0.5 Ω
		CMX06B		1206	90 Ω		500mA	10V, 0.5 Ω
		CMX04G		0504	50/67/90 Ω		100mA	10V, 1.5~3 Ω
		CMX05G		0805	50/90/120 Ω			10V, 1~1.2 Ω
	Multilayer Array	CMA06		1206	90 Ω	$\pm 25\%$	400mA	10V, 0.4 Ω
		CMA06		1206	120 Ω		300mA	10V, 0.4 Ω
		CMA06		1206	180 Ω		300mA	10V, 0.5 Ω
	Wirewound EMI	CMH05		0805	30 Ω ~370 Ω	$\pm 20\%$	280mA~450mA	0.2 Ω ~0.4 Ω
		CMH06		1206	90 Ω ~2200 Ω		200mA~370mA	0.3 Ω ~1.2 Ω
		CMC0502		0502	20 Ω ~100 Ω	-	2A~5A	50V, 14m~40m Ω
		PCM7060		7060	225 Ω ~800 Ω	-	3A~5A	125V, 10~17 Ω
		PCM9070		9070	225 Ω ~750 Ω		4A~6A	80V, 6~13 Ω

Chip Bead

	Series	PN	Product	Size	Inductance	Tol	IDC	DCR
EMI BEAD	Bead	CBM01		0201	10~300Ω	±25%	150mA~500mA	0.1Ω~0.9Ω
		CBM02		0402	5~1800Ω		250mA~2A	0.05Ω~1.5Ω
		CBM03		0603	5~2700Ω		200mA~3A	0.1Ω~0.6Ω
		CBM05		0805	5~5000Ω		300mA~6A	0.1Ω~0.4Ω
		CBM04		1204	19~2000Ω		350mA~6A	0.1Ω~0.4Ω
		CBM10		1210	31~60Ω		400mA~6A	0.1Ω~0.3Ω
		CBM08		1808	60~700Ω		200mA~6A	0.2Ω~0.8Ω
		CBM12		1812	31~880Ω		500mA~8A	0.1Ω~0.2Ω
		CBM20		2220	550Ω		4A	0.35Ω

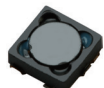
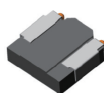
Power Inductor

	Series	PN	Product	Size	Inductance	Tol	IDC	DCR
SMD Power Inductor		VLH252010E		252010	1μH~22μH	±20%	0.5A~2.2A	0.121Ω~2.391Ω
		VLH252012E		252012	1μH~22μH	±20%	0.55A~2.8A	0.137Ω~2.743Ω
		VLH252510		252510	1μH~22μH	±20%	0.51A~2.3A	0.085Ω~1.552Ω
		VLH322515		322515	1μH~100μH	±10%~30%	0.1A~1A	0.078Ω~4.5Ω
		VLH322520		322520	1μH~560μH	±5%, ±10%, ±20%	0.04A~0.445A	0.5Ω~28Ω
		VLH453226		453226	1μH~2200μH	±5%, ±10%, ±20%	0.078A~0.5A	0.2Ω~47Ω
		VLH322515(C)		322515	0.47μH~120μH	±10~30%	0.17A~3.4A	0.03Ω~4.38Ω
		VLH322520(C)		322520	1μH~560μH	±5%, ±10%, ±20%	0.06A~1A	0.078Ω~28.6Ω
		VLH453226(C)		453226	1μH~1000μH		0.05A~1.08A	0.08Ω~25Ω
		VLH575047C		575047	0.12μH~10000μH		0.05A~6A	0.0098Ω~140Ω
	Miniature	SDIA0310		0310	1μH~47μH	±20%, ±30%	0.22A~1.4A	0.065Ω~1.95Ω
		SDIA0312		0312	1μH~47μH		0.27A~1.87A	0.04Ω~1.45Ω
		SDIA0315		0315	1μH~47μH		0.32A~2.1A	0.037Ω~1.2Ω
		SDIA0410		0410	1μH~22μH		0.45A~2A	0.056Ω~0.57Ω
		SDIA0412		0412	1μH~47μH		0.3A~2.61A	0.05Ω~1.104Ω
		SDIA0415		0415	1μH~22μH		0.68A~2.5A	0.035Ω~0.4Ω
		SDIA0418		0418	1μH~100μH		0.4A~4A	0.023Ω~1.75Ω
		SDIA0420		0420	1μH~47μH		0.74A~4.78A	0.029Ω~0.71Ω
		SDIA0430		0430	1μH~100μH		0.6A~5.26A	0.014Ω~1.15Ω
		SDIA0520		0520	1μH~47μH		0.81A~4.33A	0.02Ω~0.56Ω
		SDIA0528		0528	2.2μH~47μH		1A~5.5A	0.035Ω~0.46Ω
		SDIA0540		0540	1μH~100μH		0.75A~7.35A	0.012Ω~0.56Ω
		SDIA0620		0620	1μH~47μH		1A~4.3A	0.02Ω~0.5Ω
		SDIA0628		0628	1μH~100μH		0.65A~6.7A	0.012Ω~0.67Ω
		SDIA0645		0645	2.2μH~220μH		0.8A~6A	0.021Ω~1.1Ω
		SDIA0840		0840	1.4μH~680μH		0.3A~10A	0.007Ω~2.2Ω
		SDIA0865		0865	4.7μH~6800μH		0.24A~8.5A	0.022Ω~22.4Ω
		SDIA02512-G		02512	0.24μ~10μH	±20%, ±30%	5~0.79A	0.034Ω~0.69Ω
		SDIA0315-G		0315	0.22μ~47μH		5~0.35A	0.016Ω~1.34Ω
		SDIA0418-G		0418	0.24μ~100μH		9~0.40A	0.014Ω~1.5Ω
		SDIA0420-G		0420	1μ~100μH		4.78~0.48A	0.029Ω~1.55Ω
		SDIA0430-G		0430	1.0μ~150μH		5.26~0.50A	0.016Ω~2.35Ω
		SDIA0520-G		0520	1μ~100μH		4.4~0.53A	0.02Ω~1.1Ω

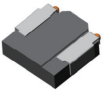
Power Inductor

	Series	PN	Product	Size	Inductance	Tol	IDC	DCR
SMD Power Inductor	Miniature	SDIA0540-G		0540	1.0μ~1000μH	±20%, ±30%	7.35~0.21A	0.012Ω~6.5Ω
		SDIA0620-G		0620	1.0μ~100μH		4.15~0.50A	0.02Ω~1.2Ω
		SDIA0628-G		0628	1.0μ~470μH		5.75~0.28A	0.014Ω~2.3Ω
		SDIA0645-G		0645	1μ~1000μH		8.5~0.30A	0.014Ω~4.55Ω
		SDIA0840-G		0840	6.8μ~1500μH		4~0.32A	0.025Ω~4.3Ω
		SDIM0210		0210	0.24μ~4.7μH	±20%	6.5~1.4A	0.02Ω~0.216Ω
		SDIM02510		02510	0.24μ~4.7μH		8.0~1.4A	0.022Ω~0.216Ω
		SDIM02512		02512	0.33μ~3.3μH		7.2~1.3A	0.021Ω~0.1Ω
		SDIM0310		0310	0.47μ~10μH		5.8~1.1A	0.039Ω~0.42Ω
		SDIM0312		0312	0.33μ~10μH		7.0~1.3A	0.027Ω~0.35Ω
		SDIM0410		0410	0.47μ~10μH		7.0~1.5A	0.045Ω~0.51Ω
		SDIM0412		0412	0.47μ~10μH		8.0~1.7A	0.033Ω~0.33Ω
		SMP404020		404020	0.33μ~22μH	±20%, ±30%	14.0~2.2A	0.01Ω~ 0.4Ω
Chip Power Inductor	Wire wound Chip Power	MLP03		0803	0.24μH~0.47μH	±20%	4.2A~6A	26mΩ~35mΩ
		MLP05		0805	1μH		3.1A	67mΩ
		MLP06		0806	0.24μH~2.2μH		1.71A~5.05A	21mΩ~150mΩ
		MLP04		1004	0.33μH~4.7μH		1.62A~7.2A	12.5mΩ~262mΩ
		MLP08		1008	0.47μH~4.7μH		1.58A~4.95A	25mΩ~235mΩ
		MLP10		1310	0.47μH~6.8μH		2.1A~7A	19mΩ~210mΩ
		MLP(H)06		0806	0.47μH~2.2μH	±20%	2.45A~5.3A	30mΩ~140mΩ
		MLP(H)04		1004			3A~7A	22mΩ~110mΩ
		MLP(H)08		1008			3.2A~6.2A	22m~89mΩ~0.235Ω
Power Inductor	Non-Shielding	PD1608		1608	1μH~1000μH	±20%	0.1A~2.9A	0.005Ω~13.8Ω
		PD3308		3308	1μH~1000μH		0.1A~5.15A	0.024Ω~8.4Ω
		PD3316		3316	0.68μH~10000μH		0.1A~11A	0.008Ω~39Ω
		PD3340		3340	0.47μH~1000μH		0.8A~20A	0.008Ω~2Ω
		PD5022		5022	1μH~1000μH		1A~20A	0.009Ω~1.8Ω
		PCD0301		0301	1μH~390μH	±20%	0.1A~1.4A	0.006Ω~26Ω
		PCD0302		0302	1μH~470μH		0.07A~2.2A	0.045Ω~13.5Ω
		PCD0403		0403	0.5μH~1000μH	±10%, ±20%	0.13A~3A	0.02Ω~14Ω
		PCD0502		0502	1μH~1000μH		0.14A~4A	0.021Ω~15Ω
		PCD0503		0503	1μH~1000μH		0.135A~4.5A	0.03Ω~11.5Ω
		PCD0504		0504	0.6μH~3300μH		0.08A~11A	0.0182Ω~24Ω
		PCD0703		0703	1μH~1000μH		0.2A~1.64A	0.018Ω~4.76Ω
		PCD0705		0705	1μH~1500μH		0.16A~3.4A	0.013Ω~5.52Ω
		PCD1004		1004	1μH~560μH		0.32A~8.7A	0.012Ω~1.904Ω
		PCD1005		1005	1.2μH~1000μH		0.2A~8.63A	0.009Ω~3.49Ω
		PCD1006		1006	1μH~1000μH		0.46A~9.5A	0.008Ω~3Ω
	Shielding	PS1608		1608	1μH~10000μH	±10%, ±20%	0.02A~1.4A	0.004Ω~32.8Ω
		PS3316		3316	1μH~1000μH		0.32A~5.6A	0.021Ω~8.3Ω
		PS5022		5022	1μH~1000μH		0.8A~20A	0.024Ω~2.01Ω
		PCS62B		62B	1.5μH~330μH	±20%	0.19A~3.5A	0.0049Ω~4.94Ω
		PCS64B		64B	10μH~1000μH		0.14A~1.35A	0.012Ω~9.26Ω
		PCS73		73	1μH~1000μH		0.25A~7.97A	0.016Ω~4.69Ω
		PCS74		74	1μH~1000μH		0.18A~8A	0.02Ω~6Ω

Power Inductor

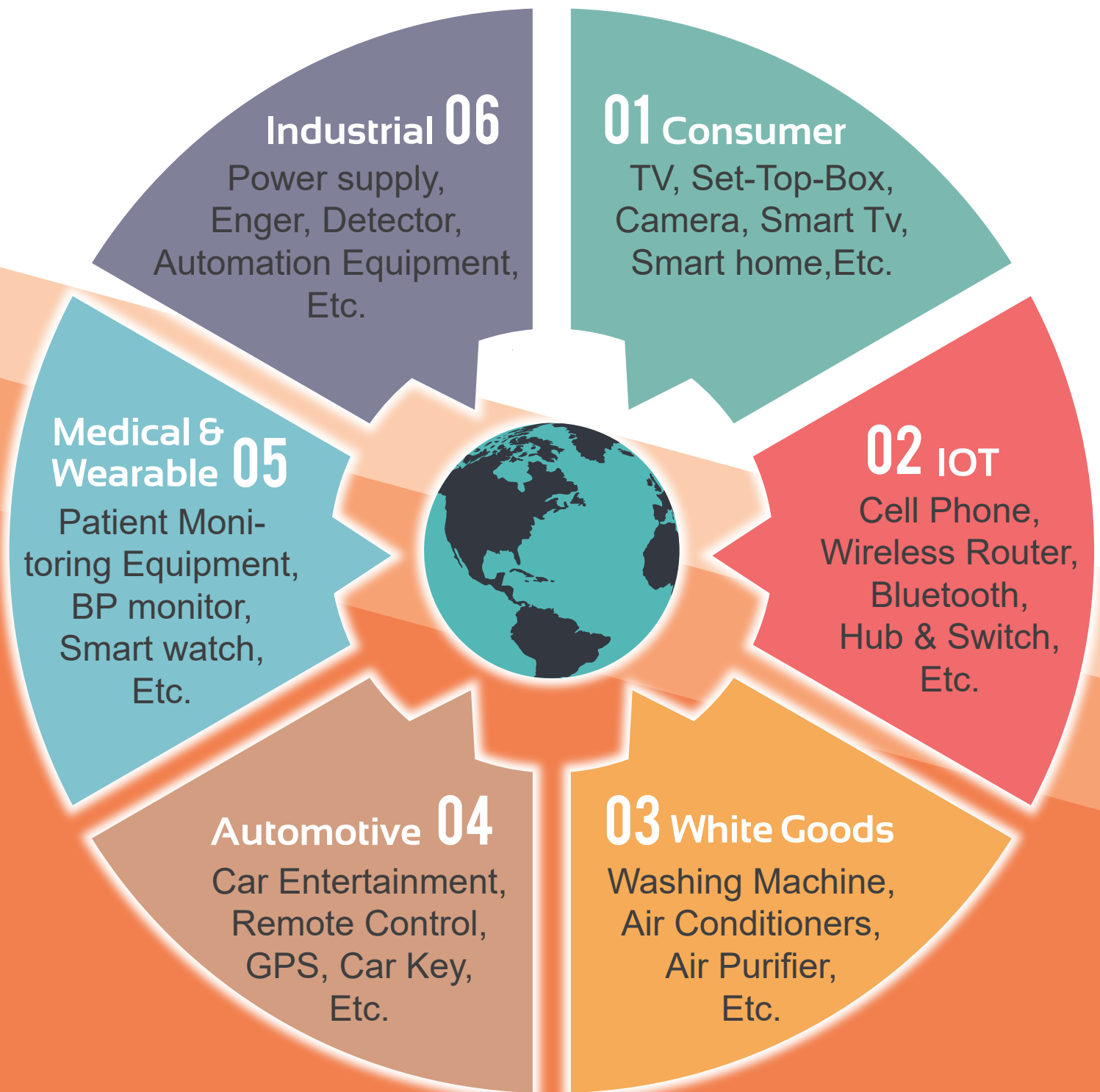
	Series	PN	Product	Size	Inductance	Tol	IDC	DCR
Power Inductor	Shielding	PCS124		124	1.5μH~330μH	±20%	0.5A~8.75A	0.008Ω~0.99Ω
		PCS125		125	1.3μH~1500μH		0.5A~8A	0.012Ω~2.8Ω
		PCS127		127	1μH~2200μH		0.65A~10A	0.007Ω~3.25Ω
		PCSH127		127	2.2μH~1000μH		1.14A~25.5A	0.007Ω~1.66Ω
		PCS129		129	1μH~1000μH		0.76A~17A	0.007Ω~1.27Ω
		PCDR0628		0628	1μH~1000μH	±20%, ±30%	0.12A~2.1A	0.024Ω~5.79Ω
		PCDR0728		0728	3.3μH~56μH		0.5A~1.6A	0.0037Ω~0.042Ω
		PCDR0730		0730	3.3μH~100μH		0.35A~1.8A	0.0023Ω~0.45Ω
		PCDR0732		0732	1μH~1000μH		0.13A~2.2A	0.0019Ω~4.78Ω
		PCDR0745		0745	1μH~1500μH		0.1A~4A	0.0019Ω~3.5Ω
		PCDR1045		1045	1μH~1500μH		0.22A~7.8A	0.012Ω~3.4Ω
		PCDR1255		1255	6μH~1500μH		0.29A~3.6A	0.016Ω~1.73Ω
		PCDR1265		1265	2μH~150μH		1A~10A	0.0112~0.273Ω
		PCDR1275		1275	1.2μH~330μH		1.1A~13A	0.007Ω~0.37Ω
		PSDB5D28		5D28	1μH~100μH	±20%, ±30%	0.4A~2.9A	15Ω~520Ω
		PSDB1003		1003	0.56μH~1000μH		0.23A~6.2A	20Ω~5000Ω
		PSDB1004		1004	0.56μH~1000μH		0.32A~10A	8Ω~3250Ω
		PSDB1005		1005	1.5μH~1000μH		0.35A~10.5A	6Ω~1989Ω
Power Inductor	Shielding	SDRH0830		0830	1μH~100μH	±30%	0.75A~6.5A	0.011Ω~0.43Ω
		SDRH0840		0840	1.8μH~100μH		1.05A~7A	0.0156Ω~0.41Ω
		SDRH0845		0845	1μH~330μH		0.65A~9A	0.0095Ω~1.7Ω
		SCDA2D10		2D10	1.2μH~47μH	±20%, ±30%	0.18A~1A	0.07Ω~2.43Ω
		SCDA2D15L		2D15L	1μH~18μH		0.3A~1.4A	0.038Ω~0.489Ω
		SCDA2D15H		2D15H	0.47μH~100μH		0.24A~3A	0.04Ω~3.84Ω
		SCDA2D18L		2D18L	1μH~27μH		0.22A~0.96A	0.038Ω~0.49Ω
		SCDA2D18H		2D18H	1μH~33μH		0.47A~2.6A	0.045Ω~1.125Ω
		SCDA3D12		3D12	1μH~33μH		0.42A~2.3A	0.045Ω~1.165Ω
		SCDA3D15		3D15	0.5μH~47μH		0.34A~3.1A	0.035Ω~1.15Ω
		SCDA3D18		3D18	1μH~100μH		0.26A~2.6A	0.038Ω~1.38Ω
		SCDS3D18		3D18	1μH~220μH	±20%, ±30%	0.13A~2.4A	0.05Ω~4.77Ω
		SCDS4D18		4D18	1μH~220μH		0.13A~1.72A	0.045Ω~4.3Ω
		SCDS4D28		4D28	1μH~220μH		0.21A~2.65A	0.02Ω~2Ω
		SCDS5D18		5D18	2.2μH~470μH		0.18A~2.3A	0.039Ω~6.56Ω
		SCDS5D28		5D28	2.2μH~680μH		0.18A~2.6A	0.018Ω~4.5Ω
		SCDS6D28		6D28	1μH~330μH		0.35A~6.15A	0.012Ω~2Ω
		SCDS6D38		6D38	1μH~1000μH		0.18A~5.6A	0.016Ω~2.85Ω
		SMA0310		0310	0.47μ~4.7μH	±20%	1.8A~6.2A	0.0265Ω~0.215Ω
		SMA0312		0312			2.1A~7.2A	0.0178Ω~0.21Ω
		SMA0315		0315			2.3A~7.2A	0.0123Ω~0.152Ω
		SMA0320		0320			2.6A~10.8A	0.0146Ω~0.156Ω
		SMA0410		0410	0.47μ~10μH		1.4A~8.2A	0.0353Ω~0.350Ω
		SMA0412		0412			1.6A~12A	0.015.3Ω~0.25Ω
		SMA0415		0415			1.8A~12A	0.0113Ω~0.23Ω
		SMA0420		0420			2.4A~16A	0.0089Ω~0.235Ω
		SMA0510		0510			1.8A~9.4A	0.0038Ω~0.335Ω
		SMA0512		0512			2.1A~12.6A	0.0149Ω~0.200Ω

Power Inductor

	Series	PN	Product	Size	Inductance	Tol	IDC	DCR
Power Inductor	Shielding	SMA0515		0515	0.47μ~10μH	±20%	2.7A~12.5A	0.0112Ω~0.164Ω
		SMA0520		0520			3.6A~18A	0.0072Ω~0.152Ω
		SMA0610		0610			2.2A~9.4A	0.0412Ω~0.24Ω
		SMA0612		0612			2.7A~13.8A	0.0171Ω~0.157Ω
		SMA0615		0615			3.3A~18A	0.0088Ω~0.12Ω
		SMA0620		0620			4.4A~21A	0.0055Ω~0.096Ω
Choke	Power Choke	SDA0420LR		0420	0.47μH~2.2μH	±20%	4.8A~12.5A	6.8mΩ~23.5mΩ
		SDA0430LR		0430	1μH~3.3μH		5.3A~9A	10.1mΩ~28.6mΩ
		SDA0660LR		0660	1μH~22μH		5A~16A	4.29mΩ~60.56mΩ
		SDA0530A		0530	0.47μH~4.7μH		7A~24A	4.13mΩ~36.3mΩ
		SDA0630A		0630	0.33μH~4.5μH		8A~28A	2.5mΩ~25.3mΩ
		SDA0730A		0730	1μH~4.7μH		12.2A~28A	5mΩ~26.7mΩ
		SDA0750A		0750	2.2μH~5.6μH		11A~17A	6.4m~17.2mΩ
		SDA0880A		0880	3.3μH~10μH		10A~20A	7.3mΩ~22.9mΩ
		SDA1006A		1006	2.2μH~10μH		13A~30A	4.84mΩ~18.2mΩ
		SDA1010A		1010	4.7μH~10μH		14.6A~21.4A	0.57m~13.75mΩ
		SDA1508A		1508	2.2μH~22μH		16A~49A	2.48m~23.2mΩ
		SDA1510A		1510	4.7μH~33μH		16.7A~39A	3.8m~20mΩ
		SDA1513A		1510	4.7μH~33μH		16A~40A	3.3m~22mΩ
	Power Choke	SDB0420		0420	0.10μH~3.3μH	±20%	4A~22A	0.004Ω~0.087Ω
		SDB0520		0520	0.10μH~4.7μH		5A~45A	0.0039Ω~0.1166Ω
		SDB0530		0530	0.10μH~4.7μH		8.2A~27A	0.00316Ω~0.0775Ω
		SDB0620		0620	0.10μH~4.7μH		8A~40A	0.0035Ω~0.078Ω
		SDB0625		0625	0.10μH~10μH		7A~50A	0.0017Ω~0.129Ω
		SDB0630		0630	0.10μH~22μH		3.5A~60A	0.0017~0.190Ω
		SDB0650		0650	0.56μH~10μH		4.5A~12A	0.0036Ω~0.0713Ω
		SDB1040		1040	0.19μH~15μH		8A~90A	0.00095Ω~0.060Ω
		SDB1340		1340	0.10μH~10μH		14A~84A	0.00096~0.034Ω
		SDB1350		1350	0.10μH~10μH		16A~118A	0.0006~0.0255Ω
		SDB1365		1365	0.10μH~22μH		10A~120A	0.0005~0.040Ω
		SDN0412		0412	0.47μH~4.7μH	±20%	2.8A~6.8A	0.031~0.195Ω
		SDN0420		0420	0.22μH~10μH		2.2A~12.5A	0.0066~0.282Ω
		SDN0518		0518	0.47μH~10μH		3A~15.5A	0.009~0.155Ω
		SDN0530		0530	0.20μH~10μH		3.5A~14.5A	0.0039~0.125Ω
		SDN0618		0618	0.68μH~22μH		2.3A~17A	0.0012~0.350Ω
		SDN0624		0624	0.33μH~10μH		4A~24.5A	0.0041~0.101Ω
		SDN0630		0630	0.22μH~33μH		2.5A~34A	0.003~0.310Ω
		SDN1040		1040	0.15μH~33μH		5A~75A	0.00065~0.092Ω
DIP Power	DIP	DRGH664		664	22μH~1000μH	±10%, ±20%	0.19A~1.27A	0.11Ω~4.45Ω
		DRGH855		855	10μH~10000μH		0.081A~2.50A	0.07Ω~55.7Ω
		DRGH875		875	10μH~10000μH		0.084A~ 2.90A	0.05Ω~33Ω
		DRGH895		895	10μH~47000μH		0.038A~2.60A	0.04Ω~96.4Ω
		DRGH110		110	10μH~1000μH		0.53A~5.30A	0.022Ω~1.7Ω
		DRGR664		664	22μH~1000μH		0.14A~0.96A	0.13Ω~5.56Ω
		DRGR875		875	22μH~10000μH		0.074A~1.60A	0.08Ω~35Ω
		DRGR110		110	10μH~1000μH		0.35A~3.51A	0.023Ω~1.5Ω

Viking Application Gateway

Viking Tech Application gateway is categorized into several major market segments:



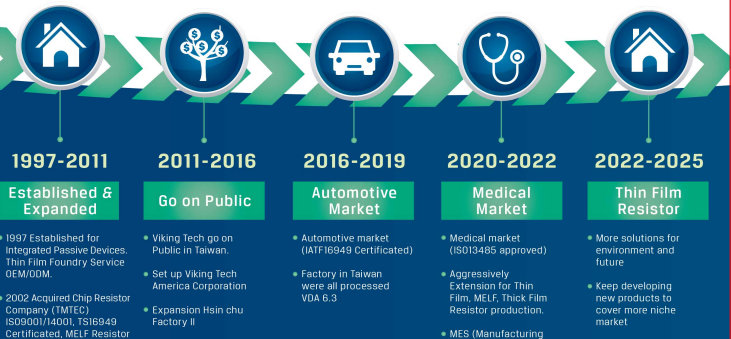
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About Viking

Viking Tech was established in 1997, Taiwan, as the leader in the design, manufacturing and marketing of Thin- Film /Thick-Film /Multilayer /Wirewound Resistors, Capacitors, Inductors.

Your reliable partner ,well-experienced in the design of innovative components, offering excellent products to the Global customers. A professional manufacturer for miniature, precision , High power, Ultra stability passive components.



Quality Assurance Automotive Grade

- ✓ IATF-16949 Certified Production Sites
- ✓ AEC-Q200 Compliance
- ✓ High Reliability with VDA6.3
- ✓ Certified with Equipment and Employees to Manufacture Automotive Products.
- ✓ Commitment to Provide Zero-Defect TASK Products
- ✓ PPAP Available.
- ✓ Insurance Available



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Automotive Applications

Wireless Charger
PEPS (Keyless System)
TPMS Module
Window Lift, Mirror control
Auto-control door
Air Conditioning, HVAC
Seat Heating, positioning
Remote Start
Temperature Sensor

Cluster
Navigator
Gateway ECU
Telematics Control Unit (TCU)
Entertainment-Audio, TV, LCD...
Satellite Radio

View Camera ECU
Laser Sensor
Front Sensing Camera
Ultrasonic Sensor
mmWave Radar
Parking Assistant

Interior Lighting
Rear & Signal lighting
HID Lighting
LED/ Lamp Driver
Light sensor

Inverter & Boost Converter
Plug-In Batter charger
DC DC Converter
BMS (Battery Management System)
Battery cell Temp Monitoring



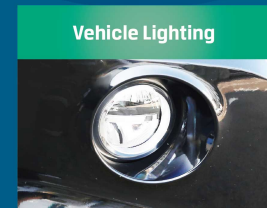
Comfort & Positioning
CR.A Series : Thick film High Power Resistor
AR..A/ART/ARTPA Series : Thin Film Precision Resistor
CS/CSN.A Series : Thick Film Current Sensing
LRP/MFA Series : Metal Strip Current Sensing
MCFA Series : Multilayer Chip Capacitor
PWR/SWR.A Series : Pulse Resistor
SDA/SDE.A Series : Power Inductor



Infotainment / Entertainment Telematics
CR.A Series : CR high power : Thick film Resistor
AR..A/ART/ARTPA Series : Thin Film Precision Resistor
CS.A Series : Thick Film Current Sensing
LRP/MFA Series : Metal Strip Current Sensing
MCFA Series : Multilayer Chip Capacitor
MC high Cap : Multilayer Capacitor High Cap
WLGA, CLSA Series : High frequency Inductor



Advanced Driver Assistance Systems (ADAS)
CNFA/TFAN Series : Thick/Thin Film Resistor Array
SDA/SDE.A Series : Power Inductor
MCFA : NPO/X7R/X5R /X7S Multilayer Chip Capacitor
LRP/MFA Series : Metal Strip Current Sensing



Vehicle Lighting
CR..A Series, CR high power : Thick film Resistor
AR..A/ART/ARTPA Series : Thin Film Precision Resistor
CS/CSN..A Series : Thick Film Current Sensing
LRP/MFA Series : Metal Strip Current Sensing
MCF..A Series : NPO/X7R/X5R Multilayer Chip Capacitor ,Capacitor High Cap, High Voltage
MCFA Series : Soft Termination capacitor
SDA/SDE.A Series : Power Inductor
CSRA Series : MELF Precision Resistor
PWR/SWR.A Series : Pulse Resistor



Electric Vehicle / Hybrid Vehicle
AS..A Series : Thick film Anti-Sulfur Resistor
Thin Film Precision Resistor
CS/CSN..A Series : Thick Film Current Sensing
CR..A Series : Thick Film Resistor
SWR.A Series : Anti-Surge Thick Film Resistor
LRP/MFA Series : Metal Strip Current Sensing
CSRA /CSR.P Series : MELF Precision Resistor
CRW/CSWA Series : Long Side Resistor
LRS Series : Shunt Resistor
MCF.A Series : Multilayer Chip Capacitor

Automotive Application



Resistor, Capacitor

IATF16949, AEC-Q200, VDA6.3, RoHS, Zero-defect



Viking Tech Corp.
www.viking.com.tw



Automotive Grade Chip Resistors

Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Resistor Array	CNF22 A		0402*2	1/16W	±1%, ±5%	49.9Ω~100KΩ	±5/10/15/25/50
	CNF22 A		0402*2			10Ω~332KΩ	
	CNF42 A		0402*4			10Ω~10MΩ	
	CNF43 A		0603*4			10Ω~10MΩ	
Resistor Array	AS-21 A		0201*2	1/32W	±5%	3Q~9.1Q	±300
	AS-21 A		0201*2	1/32W	±5%	10Ω~1MΩ	±200
	AS-41 A		0201*4	1/32W	±1%, ±5%	1Q~1MΩ	±200
	AS-42 A		0402*4	1/16W	±1%, ±5%	1Q~1MΩ	±200
Wide Terminal	AS-43 A		0603*4	1/10W	±0.5%, ±1%, ±5%	1Q~1MΩ	±100/±50/±200
	CRW25 A		1225	2W, 3W		1Q~1MΩ	
	CRW20 A		1020	1.5W, 2W		1Q~1MΩ	
	CRW12 A		0812	1W, 1.5W		1Q~1MΩ	
Pulse Withstanding	CRW08 A		0508	0.75W, 1W	±0.5%, ±1%, ±5%	1Q~20MΩ	±100, ±200
	PWR02 A		0402	1/5W		1Q~1MΩ	
	PWR03 A		0603	1/10W, 1/4W, 1/3W		1Q~1MΩ	
	PWR05 A		0805	1/8W, 2/5W, 1/2W		1Q~1MΩ	
Surge Withstanding	PWR06 A		1206	1/3W, 1/2W, 3/4W	±5%, ±10%, ±20%	1Q~20MΩ	±100, ±200
	PWR13 A		1210	1/2W, 3/4W		1Q~20MΩ	
	PWR10 A		2010	3/4W, 1W, 1.25W		1Q~20MΩ	
	PWR12 A		2512	1.5W, 2W		1Q~20MΩ	
High Voltage	SVR02 A		0402	1/5W	±5%, ±10%, ±20%	1Q~1MΩ	±100/±200/±300
	SVR03 A		0603	1/8W, 1/4W		1Q~1MΩ	
	SVR05 A		0805	1/4W, 2/5W, 1/2W		1Q~1MΩ	
	SVR06 A		1206	1/3W, 1/2W, 3/4W		1Q~1MΩ	
High Voltage	SVR13 A		1210	1/2W, 3/4W	±5%, ±10%, ±20%	1Q~1MΩ	±100, ±200
	SVR10 A		2010	3/4W, 1W		1Q~1MΩ	
	SVR12 A		2512	1.5W, 2W		1Q~1MΩ	
	HVR02 A		0402	1/16W, 200V		39KΩ~100MΩ	
High Voltage	HVR03 A		0603	1/10W, 400V	±1%, ±5%	56KΩ~100MΩ	±100, ±200, ±400
	HVR05 A		0805	1/8W, 800V		100KΩ~100MΩ	
	HVR06 A		1206	1/4W, 1000V		51KΩ~100MΩ	
	HVR12 A		2512	1W, 4000V		30KΩ~500MΩ	
High Voltage Low VCR	HVR06 A		1206	1/3W, 1500V	±1%, ±2%, ±5%	100KΩ~500MΩ	±100, VCR<25
	HVR09 A		2010	1/2W, 3000V		51KΩ~500MΩ	
	HVR12 A		2512	1W, 4000V		30KΩ~500MΩ	
	MF03 A		0603	1/4W, 1/3W, 1/2W		5mΩ~20mΩ	
Metal Foil / Metal Foil Automotive	MF05 A		0805	1/4W, 1/3W, 1/2W	±1%, ±2%, ±5%	3mΩ~47mΩ	±50/±100/±200
	MF06 A		1206	1/2W, 1W		3mΩ~56mΩ	
	MF10 A		2010	1W		3mΩ~100mΩ	
	MF12 A		2512	1W, 2W		2mΩ~200mΩ	
High power Metal Strip	LRP06 A		1206	1W	±0.5%, ±1%, ±5%	3mΩ~40mΩ	±50/75/100
	LRP10 A		2010	1W, 2W		4mΩ~100mΩ	
	LRP12 A		2512	2W, 3W		3mΩ~200mΩ	
	LRP12 A		2512	2W, 3W		3mΩ~200mΩ	

Capacitor (Automotive)

Series	PN	Product	Size	Inductance	Tol	DCG	DGR
Capacitor (Automotive)	MCF01 A		0201	6.3V~50V	±0.05/0.1pF ±10%~20%, +80/20%	NPO/X7R/X7S/X5R 0.1pF~220F	NPO/X7R
	MCF02 A		0402	10V~50V			
	MCF03 A		0603	6.3V~250V			
	MCF05 A		0805	6.3V~630V			
Multilayer	MCF06 A		1206	6.3V~2000V	±20%	200mA~550mA 200mA~1000mA 300mA~1000mA 30mA~1.36A 75mA~700mA 150mA~800mA 300mA~400mA 150mA~300mA 230mA~360mA	0.070~0.9Q 0.080~1.6Q 0.050~1.2Q 0.045Q~2.2Q 0.04Q~7Q 0.03Q~4.2Q 0.5Q~0.6Q 0.4Q~0.5Q 0.4~1.5Q 0.6~2Q
	MCF07 A		1808	6.3V~3000V			
	MCF12 A		1812	6.3V~3000V			
	MCF12 A		1812	6.3V~3000V			

Chip Inductor

Product	Process	PN	Product	Size	Inductance	Tol	DCG	DGR
Ceramic RF Inductor	Multilayer	CL01-SA		0201	0.3nH~18nH	±0.1nH~±0.3nH, ±2~±5%, ±10%	200mA~550mA 200mA~1000mA 300mA~1000mA	0.070~0.9Q 0.080~1.6Q 0.050~1.2Q
		CL02-SA		0402	0.3nH~100nH			
		CL03-SA		0603	1.0nH~120nH			
		WL02GA		0402	1nH~120nH			
Wire-wound	Multilayer	WL03GA		0603	1.8nH~470nH	±10%~±5%	200mA~550mA 200mA~1000mA 300mA~1000mA	0.070~0.9Q 0.080~1.6Q 0.050~1.2Q
		WL05GA		0805	2.2nH~220nH			
		CMX04W-A		0504	67Q/90Q			
		CMX05W-A		0805	67Q/90Q/100Q/180Q/220Q			
Common Mode Filter	Wire-wound	CFH10 A		1210	300Q/500Q/1000Q/2200Q	+50/-30%	200mA~550mA 200mA~1000mA 300mA~1000mA	0.070~0.9Q 0.080~1.6Q 0.050~1.2Q
		CFH12 A		1812	300Q/500Q/1000Q/2200Q			
		SDA A		0603	0.18uH~4.5uH			
		SDE A		0420HP	1uH~10uH			
Power Inductor	Wire-wound	SDE A		0420HP	1uH~10uH	±20%	200mA~550mA 200mA~1000mA 300mA~1000mA	0.070~0.9Q 0.080~1.6Q 0.050~1.2Q
		SDE A		0420HP	1uH~10uH			
		SDE A		0420HP	1uH~10uH			
		SDE A		0420HP	1uH~10uH			
Bead	Multilayer	CBM A		0402/0603/0805/1204/1210/1808	70Q~2500Q	±25%	50mA~6A	0.15Q~1.4Q
		CBM A		0402/0603/0805/1204/1210/1808	70Q~2500Q			
		CBM A		0402/0603/0805/1204/1210/1808	70Q~2500Q			
		CBM A		0402/0603/0805/1204/1210/1808	70Q~2500Q			

Automotive Grade Chip Resistors

	Series	PN	Product	Size	Power	Tolerance	Resistance	TCR/PPM
Thin Film Automotive	Thin Film Precision NiCr	AR02 A		0402	1/16W	±0.05%~0.1%~±1%	49.9Ω~100KΩ	±5/10/15/25/50
		AR03 A		0603	1/10W, 1/10W		10Ω~332KΩ	
		AR05 A		0805	1/10W, 1/8W		10Ω~10MΩ	
		AR06 A		1206	1/8W, 1/4W		10Ω~2.7MΩ	
		AR13 A		1210	1/4W, 1/3W		10Ω~1.5MΩ	
		AR10 A		2010	1/4W, 1/3W		10Ω~1.5MΩ	
	Thin Film Precision TaN	AR12 A		2512	1/2W	±0.05%~0.1%~±1%	10Ω~1.5MΩ	±10/15/25/50
		TAR02		0402	1/16W		40Ω~35KΩ	
		TAR03		0603	1/8W		40Ω~130KΩ	
		TAR05		0805	1/5W		10Ω~35KΩ	
		TAR06		1206	1/2W		10Ω~150KΩ	
		ARM02 A		0402	1/32W, 1/16W, 1/8W		10Ω~150KΩ	
	Metal Thin Film Precision	ARM03 A		0603	1/16W, 1/10W, 1/6W	±0.02%~0.1%~±0.5%	10Ω~1MΩ	±5/10/25/50
		ARM05 A		0805	1/10W, 1/8W, 1/4W		10Ω~2.7MΩ	
		ARM06 A		1206	1/8W, 1/4W		10Ω~1.5MΩ	
		ART02 A		0402	1/10W		49.9Ω~221KΩ	
		ART03 A		0603	3/20W		10Ω~511KΩ	
		ART05 A		0805	1/5W		1Ω~1MΩ	
	Professional High Temp 175C	ART06 A		1206	2/5W	±0.1%~±1%	10Ω~1MΩ	±25/50
		ARTP02 A		0402	1/5W		47Ω~100KΩ	
		ARTP03 A		0603	1/4W		10Ω~100KΩ	
		ARTP05 A		0805	2/5W		10Ω~100KΩ	
		ARHV05 A		0805(900V)	1/5W		180KΩ~1MΩ	
		ARHV06 A		1206(1400V)	1/4W		160KΩ~2MΩ	
High Voltage	ARHV13 A		1210(2000V)	1/3W	±0.1%~±1%	121K~3.01MΩ	±5/±10/±15/±25/±50/±100	
	CSRA0102		0102	1/5W, 0.3W		0Ω, 1Ω~1MΩ		
	CSRA0204		0204	1/4W, 2/5W		0Ω, 1Ω~10MΩ		
	CSRA0207		0207	1/2W, 1W		0Ω, 1Ω~10MΩ		
	CSRP0204		0204	2/5W, 500V		340KΩ~10MΩ		
	CSRP0207		0207	1W, 1000V		50mΩ~1Ω		
MLF Metal Film Precision	CS02 A		0402	1/16W, 1/8W	±0.1%~±5%, ±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		
	CS06 A		1206	1/4W, 1/2W		10mΩ~1Ω		
	CS13 A		1210	1/2W, 3/4W		10mΩ~1Ω		
	CS10 A		2010	3/4W, 1W		10mΩ~1Ω		
High Voltage	CS12 A		2512	1W, 1.5W, 2W	±100~±300, ±600	3mΩ~8Ω	±100~±300, ±600	
	CS25 A		1225	3W		10mΩ~500mΩ		
	CS37 A		3720	1W		1mΩ~350mΩ		
	CS75 A		7520	2W				
	CR-01 A		0201	1/20W				
	CR-02 A		0402	1/16W, 1/8W				
General Thick Film	CR-03 A		0603	1/10W, 1/4W	±0.5% ±1%, ±5%	0Ω, 1Ω~10MΩ	±100±200	
	CR-05 A		0805	1/8W, 1/5W				
	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	CRT002A		0402	1/16W, 1/8W	±0.1%~±1%	300Ω~1MΩ	±25	
	CRT003A		0603	1/10W, 1/4W		10Ω~10MΩ		
	CRT005A		0805	1/8W, 1/4W				
	CRT006A		1206	1/4W, 1/3W				
	CR002 A		0402	1/16W				
	CR003 A		0603	1/10W				
Thick Film Green Parts Lead Free	CR005 A		0805	1/8W	±1%, ±5%	0Ω, 1Ω~10MΩ	±100±200	
	CR006 A		1206	1/4W				
	CR010 A		1210	1/3W				
	CR06A A		2010	3/4W, 1W				
	CR012 A		2512	1W				
	AS01 A		0201	1/20W				
Anti-Sulfur	AS02 A		0402	1/16W	±0.5% ±1%, ±5%	0Ω, 1Ω~10MΩ	±100, ±200	
	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				
Anti-Sulfur Green Lead Free	AS12 A		2512	1W	±0.5% ±1%, ±5%	0Ω, 1Ω~10MΩ	±100, ±200	
	AS002 A		0402	1/16W, 1/10W				
	AS003 A		0603	1/10W, 1/4W				
	AS005 A		0805	1/8W, 1/3W				
	AS006 A		1206	1/4W, 1/2W				
	AS010 A		1210	1/3W, 3/4W				
Resistor Array	AS00A A		2010	3/4W, 1W	±1%, ±5%	0Ω, 1Ω~10MΩ	±100, ±200	
	AS012 A		2512	1W, 1.5W				
	CN-21 A		0201*2	1/32W		3Ω~81Ω		
	CN-21 A		0201*2	1/32W		10Ω, 10Ω~1MΩ		
	CN-41 A		0201*4	1/32W				
	CN-42 A		0402*4	1/16W		0Ω, 1Ω~1MΩ		