











Resistors

Series	Description	Size	Range	Tolerance	TCR _(PPM/°C)	Feature
RCT / *ACR 	Chip Resistor- General Purpose	0201/0402/ 0603/0805/ 1206/1210/ 1218/1812/ 2010/2512	1Ω~22MΩ	±1% ±5%	±100 ±200 ±400	- Small size and lightweight with size range per int'l standard - Highly stable in auto-placement surface mounting application *AEC-Q200 Compliance
CS / *ACS 	Current Sensing Chip Resistor	0201/0402/ 0603/0805/ 1206/1210/ 2010/2512	10mΩ~1Ω	±1% ±2% ±5%	±100 ±200 ±300 ±400 ±600 ±1000	- Low TCR of ±100PPM/°C - Resistance values from 1mΩ to 1Ω - High purity alumina substrate for high power dissipation *AEC-Q200 Compliance
RS / *ARS 	Current Sensing Thick Film Chip Resistor	0402/0603/ 0805/1206/ 1210/2010/ 2512	10mΩ~978mΩ	±1% ±5%	±500 ±800 ±1200 ±1500	- Low inductance - Highly reliable multilayer electrode construction - Higher component and equipment reliability *AEC-Q200 Compliance
AR / *AAR 	Thin Film Precision Chip Resistor	0402/0603/ 0805/1206/ 1210/2010/ 2512	10Ω~1MΩ	±0.05% ±0.1% ±0.25% ±0.5% ±1%	±10 ±15 ±25 ±50	- Advanced thin film technology - Special materials, design and processing for high sulfur applications *AEC-Q200 Compliance
FPF / *AFPF 	High Power Chip Resistor	0402/0603/ 0805/1206/ 1210/2010/ 2512	1Ω~10MΩ	±1% ±5%	±100 ±200 ±300 ±400	- Small size and light weight - Reliability, high quality *AEC-Q200 Compliance
HVR / *AHVR 	High Voltage Thick Film Chip Resistor	0402/0603/ 0805/1206/ 2010/2512	30KΩ~100MΩ	±1% ±5%	±100 ±200 ±400	- Highly reliable multilayer electrode construction - Higher component and equipment reliability - Excellent performance at high voltage *AEC-Q200 Compliance
SWR / *ASWR 	Surge Withstanding Chip Resistor	0402/0603/ 0805/1206/ 2010/2512	1Ω~20MΩ	±5% ±10% ±20%	±100 ±200 ±300	- High power rating - Excellent surge withstanding & pulse withstanding performance - Improved working voltage rating *AEC-Q200 Compliance
LED 	LED Chip Resistor	1206	10Ω~910Ω	±5%	±100	- Small size and lightweight with size range per int'l standard - Highly stable in auto-placement surface mounting application - Compatible with both wave soldering and reflow soldering *Excellent Solderability and Terminal bending capacity, especially suitable for LED and the field of flexible circuit board
MFR 	Metal Foil Chip Resistor	0603/0805/ 1206/1210/ 2010/2512	2mΩ~910mΩ	±1% ±2% ±5%	±50 ±100 ±200	- Low TCR - Current detecting resistors for power supply, etc - Superior mechanical and frequency characteristics *AEC-Q200 Compliance
LR / *ALRP 	Ultra Low Ohm (Metal Strip) Chip Resistor	1206/ 2010/ 2512	1sRs30 1sRs50 1sRs100	±1% ±2% ±5%	±50 ±75 ±100 ±150 ±200	- Ultra low resistance - Low TCR - High power rating - Low inductance *AEC-Q200 Compliance

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CF/CFF	 Carbon Film Fixed Resistor/ Flameproof Carbon Film Fixed Resistor	0.125W/ 0.25W/0.5W/ 1W/2W/3W/ 5W	1Ω~22MΩ	±5%	±300 0-400 0-500 0-600 0-700 0-1000 0-1500	*Stability
MF/MFF	 High Precision Metal Film Fixed Resistor/ Flameproof High Precision Metal Film Fixed Resistor	0.125W/ 0.25W/0.5W/ 1W/2W/3W/ 5W	1Ω~22MΩ	±0.5% ±1% ±2% ±5%	±50~±100	*High stability *Low noise, Low temperature coefficient
MOF	 Flameproof Type Metal Oxide Film Resistor	0.125W/ 0.25W/0.5W/ 1W/2W/3W/ 5W	10Ω~820KΩ	±2% ±5%	±350	*High surge and maintain a safe current for operation in electronic products *Wide resistance range
WR	 Wirewound Resistor	0.5W/1W/ 2W/3W/ 5W	0.01Ω~1KΩ	±1% ±2% ±5%	±300	*Comparatively smaller in size *High electrical and mechanical stability and reliability
PWR	 Power Wirewound Resistor	0.25W/0.5W/ 1W/2W/4W/ 5W/8W/10W/ 12W	0.01Ω~68KΩ	±1% ±5%	±25 ±50 ±100 ±250	*High power *Low temperature coefficient *High stability and reliability
FR	 Fusible Metal Film Resistor	0.25W/0.5W/ 1W/2W/3W	1Ω~1KΩ	±5%	±350	*High stability, high reliability *Perform two functions at one time; as normal resistor and as a fuse when an abnormal current passes through within a prescribed time to protect other components on the PCB
FWR	 Fusible Wirewound Resistor	0.5W/1W/ 2W/3W	10Ω~220Ω	±5%	±350	*Suitable for protecting circuit boards *Noncombustible insulating coating, *Solvent proof and resistant to high temperature *Low temperature coefficient *Uniform in fusing time
SQP/SQM	 Cement Type Resistor	1W/2W/3W/ 5W/7W/10W/ 15W/20W		±5% ±10%		*Wirewound rods, value cut rods or fibre glass rods are to be used *Non-inductive type also available
RJM	 Melf Resistor	0102/0204/ 0207/0309/ 0411/0515	0Ω1~5MΩ	±0.1% ±0.25% ±0.5% ±1% ±5%	±15 ±25 ±50 ±100	*High power handling with superior stability *Conformal Coating against humidity
MLCC	 Multilayer Ceramic Chip Capacitor	0402/0603/ 0805/1206/ 1210	0.5PF~10UF	±0.25PF ±0.5PF ±1% ±2% ±5% ±10% ±20% +80%/-20%		*NPO-Ultra-stable, Tight tolerance, low ESR Good frequency, No aging of capacitance *X7R/X5R-Semi-stable and High K, high volumetric efficiency, Highly reliable in high temperature application, High insulation resistance *Y5V-High volumetric efficiency, Non-polar construction, general purpose High K