

Ohmite: Precision Power Resistors

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OHMITE®

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Ohmite's power resistors have led the industry in product innovation for over 90 years. We offer multiple product types to suit specific application requirements. From surface mount components to large load banks, Ohmite carries the products required for your application. All Ohmite resistive products are RoHS Compliant.

OHMITE POWER RESISTORS

APPLICATIONS						
High Power	Heat Sinkable High Power	High Voltage	Surge / High Energy	High Current / Braking	Current Sense	Sensors / Sensing
14984 Series	89 Series	ARCOL ARC2 Series	280 Series	14984 Series	10 Series	FSR Series
210 Series	ARCOL Aluminum Housed	ARCOL ARC3 Series	30 Series	280 Series	14A Series	FSP Series
250 Series	ARCOL HS Series 400-600	HVC Series	A Series	BA Series	60 Series	FST Series
270 Series	ARCOL AP101 Series	MacroChip Series	AS Series	Euro-Power Wirewound	60S Series	
280 Series	ARCOL AP725 Series	Maxi-Mox Series	EY Series	HCLB Series	ARCOL CRS Series	
Audio Gold Resistors	ARCOL AP830 Series	MC1RD Series	G Series	JR Series	ARCOL L4T Series	
Euro-Power Wirewound	ARCOL AP836 Series	MC4 Series	MOX500 Series	PFE and PFR Series	CS3 Series	
HCLB Series	ARCOL AP851 Series	Mini-Mox Series	OD/OF/OA Series	S Series Shunts	CS5 Series	
PFE and PFR Series	ARCOL ARF Series	Power-Mox Series	OX/OY Series	SGM Series	EBW Series	
Power-Mox Series	ARCOL FPA600 Series	RX-1M Hi-Meg	TFS Series	SH Series Shunt	FC4L Series	
SGM Series	ARCOL TFBR Series	Slim-Mox Series	TP Series High Energy	WLRD6G Series	FC4T Series	
TA Series	ARG Series	Super Mox Series	TRH Series	WLRH Series	FCSL Series	
TP Series High Energy	BA Series	TFS Series	100 Series		FK/GK Series	
TRH Series	IS Series Resistor	TRH Series	200 Series		KDV Series	
WLRD6G Series	Metalohm Series	100 Series	500 Series		LVC Series	
WLRH Series	TAH20 Series	200 Series	800 Series		LVK Series	
	TAP1K & TAP2K Series	500 Series	1000 Series		LVM Series	
	TAP2K Series	800 Series			LVR Series	
	TAP650 Series	1000 Series			LVT Series	
	TAP600/TAP800 Series				MCS Series	
	TBH25 Series				PCS Series	
	TCH35 Series				RW1/RW2 Series	
	TDH35 Series				S Series Shunts	
	TEH100 Series				SB Series	
	TEH140				SH Series Shunt	
	TGH Series				TGHG Series	
	TGHD Series					
	TGHG Series					
	TGHM Series					
	TGHP Series					
	TKH45 Series					
	TL series					
	WFH Series					

HIGH POWER/HEAT SINKABLE HIGH POWER

Ohmite has multiple part series for High Power, Surge, Current Sense and other applications. Part constructions range from thick film to wirewound. With multiple mounting options and constructions, you're sure to find the proper High Power resistor required to fit your needs. Adjustable Power Resistors allow resistance to be readily changed.

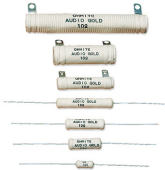





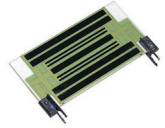

Many of our High Power resistors can be attached to a heat sink for enhanced power dissipation. Much smaller than standard parts of the same wattage, Heat Sinkable resistors release most of their heat in one plane. The single side is attached to a heat sink, and the heat generated is absorbed. Once the heat is absorbed, it is released into the air or water through a heat sink or chill plate.

Common applications include: Power transmission, traction, variable speed drives, power supplies, robotics, motor control, power control devices, current pulse limiters

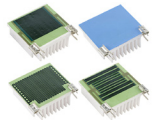


HIGH POWER

	Resistor Family	Max Voltage*	Resistance (Ohms)	Watts	Tolerance	Notes
	14984 Series High Current Round Edgewound	$\sqrt{P \cdot R}$	0.118Ω	3,021	±10% Applies to all resistances and power ratings	Available for ohmic values other than those listed, mountings, other terminal styles, all stainless frame and terminal construction.
			0.157Ω	3,077		
			0.171Ω	2,889		
			0.285Ω	2,850		
	210 Series Dividohm® Vitreous Enamel Adjustable Power	565	1.0-10kΩ	12	±10% Applies to all resistances and power ratings	Other sizes available; also available in low cost Centohm or Silicone coating; contact Ohmite.
		625	1.0-25kΩ	25		
		1,625	1.0-100kΩ	50		
		2,625	1.0-100kΩ	75		
		2,845	1.0-100kΩ	100		
		3,595	1.0-100kΩ	175		
		4,595	1.0-100kΩ	225		
		4,970	1.5-15kΩ	500		
	250 Series 'Thin' Stackohm® Vitreous Enamel Power	187	1.0-15kΩ	10	±5% Applies to all resistances and power ratings	Adjustable versions and other sizes available; consult Ohmite also available in low cost Centohm or Silicone coating; consult Ohmite.
		815	1.0-50kΩ	20		
		281	1.0-10kΩ	30		
		655	1.0-25kΩ	40		
		1,405	1.0-30kΩ	55		
	270 Series Vitreous Enamel Power	565	0.1-51kΩ	12	Under 1Ω: ±10% 1Ω and over: ±5% Applies to all resistances and power ratings	Non-Inductive versions available; Other sizes available; Also available in low cost Centohm or Silicone coating; Consult Ohmite.
		625	0.15-100kΩ	25		
		1,625	0.38-260kΩ	50		
		2,845	0.23-101kΩ	100		
		3,595	0.13-101kΩ	175		
		4,595	0.16-129kΩ	225		
		4,970	0.38-218kΩ	500		
	280 Series Corrib® Fixed and Adjustable Vitreous Enamel Power	$\sqrt{P \cdot R}$	0.1Ω-63Ω	300	±10%	Also available in low cost Centohm or Silicone coating; Consult Ohmite.




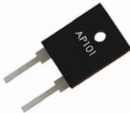

HIGH POWER (continued)

	Resistor Family	Max Voltage*	Resistance (Ohms)	Watts	Tolerance	Notes
	Audio Gold Resistors Audio Applications	200	0.10-2kΩ	3	5% std., 1% available Applies to all resistances and power ratings	Non-inductive versions available
		460	0.10-8kΩ	5		
		1,000	0.10-22kΩ	10		
		625	0.10-20kΩ	12		
		750	0.10-39kΩ	20		
		625	0.10-39kΩ	25		
		1,625	0.38-100kΩ	50		
	Euro-Power Wirewound Vitreous Enamel Power	Round Wire Construction			Under 1Ω: ±10% 1Ω and over: ±5% Applies to all resistances and power ratings	Non-Inductive versions available; Other sizes available; Also available in low cost Centohm or Silicone coating; Consult Ohmite.
		1,400	0.4Ω-250kΩ	72		
		2,100	0.5Ω-100kΩ	160		
		3,300	0.2Ω-125kΩ	280		
		5,000	0.2Ω-200kΩ	700		
		Ribbon Wire Construction				
		$\sqrt{P \cdot R}$	0.10-18Ω	200		
	HCLB Series Resistor Load Banks, High Current Oval Edgewound	1,000V	0.1Ω-41.3Ω	8kW-24kW	±10%	Choose from four bank wattages with up to thirty-one current ratings per bank.
		If mounting is grounded; special higher voltage mounting is available.				
	PFE and PFR Series Powr-Rib® Edgewound Edgewound and Round Wire	$\sqrt{P \cdot R}$	0.1Ω-25Ω	700-1,000 (up to 1,600 watts on special order)	±10% std., ±5% available	Designed in both Edgewound and Round Wire formats
	Power-Mox Series Precision Power Thick Film High Voltage/High Resistance Tubular	20kV	1k-800,000MΩ	25	0.5%, 1%, 2%, 5% (Some tolerances are not available over the entire resistance range)	0.4" diameter ferrule, 0.25"-20 threaded end cap, or radial bands available
		30kV	1.5k-1,000,000MΩ	40		
		45kV	2k-1,000,000MΩ	50		
		60kV	3k-1,000,000MΩ	75		
	SGM Series Stamped Grid Module Resistors	1,000 VAC/ 1,400 VDC	2.7Ω-392Ω	4kW-380kW	±10% std. others on request	Brake resistors are offered as open units or with an enclosure
	TA Series Power Chip Thick Film on Alumina Substrate	350 VAC, 500 VDC through glass, 1,000 VAC, 1,500 VDC through substrate, not to exceed power rating	0.25Ω-10MΩ	3.0-100.0	±1%, ±5%, and ±10%	Other ohmic values than listed available upon request
	TP Series High Energy Thick Film on Alumina Substrate	350 VAC 500 VDC through glass	10Ω-1MΩ	20	±1%, ±5%, and ±10%	Consult factory for other ohmic values

HIGH POWER (continued)

Resistor Family	Max Voltage*	Resistance (Ohms)	Watts	Tolerance	Notes
 TRH Series Thick Film	15kV, not to exceed power rating	Continuous Power: 100Ω-10kΩ Impulse Energy: 5Ω-1kΩ High Voltage: 100k-100MΩ	30	1%, 5%, and 10%	Meets Mil-Std-202 and IEC 61000-4-5
 WLRD6G Series High Current Oval Edgewound	550	0.082-6.13Ω	525-1,750	±10%	Five sizes with up to thirty-one current ratings; special higher voltage mounting available
 WLRH Series Heliohm Wirewound	600	0.25-250Ω	1.0-32.0A Continuous	±10%	45 models ranging from 0.25-250Ω; Various mounting options

HEAT SINKABLE HIGH POWER

	Resistor Family	Max Voltage*	Resistance (Ohms)	Watts		Tolerance	Notes
	89 Series Metal-Mite® Aluminum Housed Axial Terminal Wirewound, 1% Tolerance	210	0.10-25kΩ	5		±1% and ±5% Applies to all voltage, resistances and power ratings	Non-Inductive versions available; Other tolerances available
		320	0.10-50kΩ	10			
		520	0.010-75kΩ	25			
		1,170	0.005-100kΩ	50			
	ARCOL Aluminum Housed HS Aluminum Housed Resistors	(Limiting Element Voltage) 160-2,500	0.005-100kΩ	10-300 on std. heat sink at 25°C; 5-60 with no heat sink at 25°C		std. ±5% and ±10% Also available ±1%, ±2% and ±3%	In line with the requirements of MIL 18546 and IEC 115; Custom designs welcome
	ARCOL HS Series 400-600 HS Aluminum Housed Resistors			100% Duty Cycle No Heat Sink	100% Duty Cycle W/ Heat Sink	std. ±5%,±10%, and ±20% Applies to all voltage, resistances & power ratings	Designed to be heat sink- mounted to achieve full commercial wattage; Wound to maximize High Pulse Capability
		2,000	3.6-620Ω	80	400		
		2,300	5.1-910Ω	100	500		
		2,800	6.8-1.2kΩ	120	600		
	ARCOL AP101 Series 100W TO-247 High Power Resistors	700	0.05-10kΩ	100 at 25°C case temperature heat sink mounted		±1%, ±5%, and ±10%	Single screw mounting to heat sink; Non-inductive design
	ARCOL AP725 Series 20W TO-263 Power Resistor	250	0.02-130kΩ	20 at 25°C		±1%, ±5%,	D2PAK housing; Electrically isolated from backplate; TCR Options ±100 ppm/°C

HEAT SINKABLE HIGH POWER (continued)

Resistor Family		Max Voltage*	Resistance (Ohms)	Watts		Tolerance	Notes
	ARCOL AP830 Series 30W TO-220 High Power Resistors	350	0.05-10kΩ	2.25 in free air 30 at 25°C case temperature on heat sink		±0.5% to ±10%	Molded case for protection and easy to mount; Non-inductive design; Electrically isolated case
	ARCOL AP836 Series 35W TO-220 High Power Resistors	350	0.05-10kΩ	2.5 in free air 35 at 25°C case temperature on heat sink		±0.5% to ±10%	Molded case for protection and easy to mount; Non-inductive design; Electrically isolated case
	ARCOL AP851 Series 50W TO-220 High Power Resistors	420	1-10kΩ	2.25 in free air 50 at 25°C case temperature on heat sink		±0.5% to ±10%	Molded case for protection and easy to mount; Non-inductive design; Electrically isolated case
	ARCOL ARF Series Low Profile Wirewound Metal Clad Resistors			No Heat Sink	W/ Heat Sink	±5% Applies to all voltage, resistances & power ratings	Enhanced power levels can be achieved when heat sink mounted.
		1,000	2.2-220Ω	75	150		
		1,000	3.6-390Ω	100	200		
		1,500	5.6-560Ω	150	300		
		1,500	7.5-820Ω	200	400		
		2,000	10-1kΩ	250	500		
		2,000	11-1kΩ	300	600		
	ARCOL FPA600 Series 600W Thick Film Heat Sink Resistors	5,000 VDC	0.5-1MΩ	600		±5% or ±10%	Partial discharge 4kVrms <10 pc up to 7kV. Please consult with Ohmite regarding application areas.
	ARCOL TFBR Series Stainless Steel Power Resistors	1,000 VDC	5-680Ω	No Heat Sink	W/ Heat Sink	±10%	Other ohmic values than listed available upon request.
				20	100		
				40	300		
				120	900		
	ARG Series Wirewound power resistors in Al case			No Heat Sink	W/ Heat Sink	±5% Applies to all voltage, resistances & power ratings	**PNED=100% ED – load factor = percentual ratio of switch-on time against cycle period - typical 120s
		1,000 VAC	1.6-180Ω	45	150		
		1,000 VAC	2.2-240Ω	60	200		
		1,500 VAC	4.7-430Ω	70	300		
		2,000 VAC	6.8-620Ω	80	400		
		2,300 VAC	9.1-910Ω	100	500		
	BA Series Aluminum Cased Resistor	1,000 Applies to all resistance ranges and power ratings	0.5Ω-18kΩ	500		±10% Applies to all voltage, resistances & power ratings	Thermal cut-off available; scalable, custom lengths available; custom leads available
			1Ω-10kΩ	700			
			1Ω-10kΩ	1,000			
	IS Series Resistor Ultra Low Profile Power Resistors	300V	5Ω-10kΩ	175, 200, 250, or 270		10%, 20%	Available with fast-on terminals or wire leads

HEAT SINKABLE HIGH POWER (continued)

	Resistor Family	Max Voltage*	Resistance (Ohms)	Watts		Tolerance	Notes
				No Heat Sink	W/ Heat Sink		
	Metalohm Series Cold Rolled Steel Encased Wirewound Heat Sinkable Radial Terminal	6-9 Applies to all resistance ranges and power ratings				5%, 10% Applies to all voltage, resistances & power ratings	Noninductive versions (Aryton-Perry windings); Variety of terminal choices
			0.05-6kΩ	20	45		
			1.0-25kΩ	40	70		
			1.0-25kΩ	40	70		
			1.5-47.5kΩ	50	100		
			2.5-81kΩ	60	115		
			4.5-100kΩ	85	150		
	TAH20 Series 20 Watt TO220 Package Thick Film Power	350	0.05Ω-10kΩ	20 at 25°C case temperature on heat sink		5% std.	Other ohmic values and 1% tolerance available on request
	TAP1K & TAP2K Series High Wattage Heat Sinkable Planar Resistor	2,000 VDC	0.5-1,000Ω	1,000 or 2,000		+10% std.	Power rating based on 85°C mounting plate
	TAP2K Series Ultra High Power Planar Resistor	5,000 VDC = 3,500VAC RMS (50 Hz)	0.15-6kΩ	2,000 at 125°C bottom case temperature		±5% to ±10%	Higher ohmic values and voltage available upon request
	TAP650 Series 650 Watt Heat Sinkable Planar	5,000 VDC	0.25-1MΩ	650		±5% to ±10%	Higher voltage and other ohmic values available upon request
	TAP600 Series 600 Watt Heat Sinkable Planar	5,000 VDC	0.25-100kΩ	600		±10% std., 5% available on request	Higher voltage and other ohmic values available upon request
	TAP800 Series 800 Watt Heat Sinkable Planar	5,000 VDC	1-10kΩ	800		±5% to ±10%	Higher voltage available on request
	TBH25 Series 25 Watt TO220 Package Thick Film Power	350	0.1-10kΩ.	25 at 25°C case temperature		5%	Other ohmic values available upon request; Anti-static tube packaging available
	TCH35 Series 35 Watt TO220 Package Thick Film Power	350	0.05-10kΩ	35 at 25°C		±5% std., (1% on request)	Higher ohmic values on request subject to derating
	TDH35 Series 35 Watt D2PAK Package Thick Film Power Surface Mount	350	0.05-10kΩ	35 at 25°C		±1% to ±10% (0.5% on request)	Other ohmic values on request

HEAT SINKABLE HIGH POWER (continued)








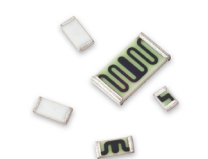
Resistor Family		Max Voltage*	Resistance (Ohms)	Watts		Tolerance	Notes
	TEH100 Series 100 Watt Thick Film Power Resistors for High Frequency and Pulse Loading Applications	350	0.05-10MΩ	100 at 25°C		±1%, ±2%, ±5%, ±10%	Other ohmic values on request
	TEH140 140W TO-247 Power Resistors	<500V or $\sqrt{P \cdot R}$	10m-510kΩ	140		±1%, ±5%	Complete thermal conduction and heat dissipation design will be available
	TGH Series 120 and 200W SOT227Package Thick Film Power	500V (1,000V, not to exceed rated wattage using $\sqrt{P \cdot R}$)	0.1-1MΩ	120 or 200		±5%	Other tolerances available on request.
	TGHD Series Chassis Mounting Non-inductive High Power Resistors	$E = \sqrt{P \cdot R}$ or 1,000V	0.1Ω-51kΩ	100		±5%	100W at flange temperature -55 to +100°C (wire leads) or -55 to +25°C (quick connect)
	TGHG Series Precision Current Sense Resistors	10	0.5m-1Ω	100 at 70°C case temperature		0.5% (0.0005 thru 0.022Ω), 1%, 5%	Other ohmic values on request
	TGHM Series 300W SOT-227 Quick-Connect High-Power Resistors	2,000 VAC Withstanding voltage	0.1-1MΩ	300		±5%	Vibration proof design passing IEC 60068-2-6
	TGHP Series Thick Film SOT227 Package	1,000 VDC	0.25-1kΩ	600		±10%	±5% on request; higher voltage on request
	TKH45 Series 45W TO-252 Thick Film Resistor	<500V or $\sqrt{P \cdot R}$ P is rated power and R resistance	0.02-510kΩ	45		±1%	0.02Ω-0.91Ω resistance available at 5% tol. only.
	TL Series Modular Heat Sinkable Thick Film Power			Ultra	Std.	±10% std. Applies to all, resistances ranges and power ratings	Special tapped configurations offered to reduce on board component count
		1,000	0.3-1MΩ	35	27		
		2,000	1.0-2MΩ	96	71		
		2,500	1.5-3MΩ	155	114		
		2,500	2.0-4MΩ	215	158		
		2,500	2.0-4MΩ	275	202		
	WFH Series Aluminum Housed Wirewound Power	1,200 VAC Applies to all resistances and power ratings	0.22-6.8kΩ 0.47-18kΩ 0.82-27kΩ 1-39kΩ	90 160 230 330		±5%, ±10% Applies to all resistances and power ratings	Multiple resistors in one profile possible; Custom wire lengths available

HIGH VOLTAGE

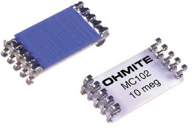









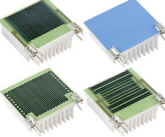
Ohmite's extensive selection of part series for High Voltage applications includes multiple mountings and custom specifications, ensuring you will find the proper High Voltage resistor required to fit your needs.

With the range of custom options available, Ohmite High Voltage resistors fill the need for multiple applications including power supplies, avionics, medical instruments, industrial controls, vacuum and space applications.

HIGH VOLTAGE

Resistor Family	Max Voltage*	Resistance (Ohms)	Watts	Tolerance	Notes
 100 Series Bulk Ceramic Axial Lead Resistors	1,000-3,000	1.0Ω-700KΩ	4-15	±5%, ±10%, ±20%	Not all sizes available in all values.
	3,600-9,000	2.0Ω-1MΩ	7-25		
	5,000-15,000	3.0Ω-1MΩ	10-36		
	8,800-25,000	4.0Ω-1MΩ	16-55		
 200 Series Bulk Ceramic Axial Lead Resistors	375-1,500	1.0Ω-390KΩ	1.2-2.5	±5%, ±10%, ±20%	Not all sizes available in all values.
	375-1,100	1.0Ω-150KΩ	1.6-7		
	500-2,500	1.0Ω-300KΩ	2.4-10		
	375-1,500	1.0Ω-130KΩ	2-8.5		
	500-2,500	1.0Ω-190KΩ	3-12		
	1,000-3,000	1.0Ω-450KΩ	5-18		
	3,600-9,000	2.0Ω-970KΩ	9-31		
	5,000-15,000	2.0Ω-1MΩ	13-45		
 500 Series Non-inductive Bulk Ceramic Slab Resistors	900-8,500	0.2Ω-800Ω	30-150	±5%, ±10%, ±20%, available to ±2% on assemblies	Not all sizes available in all values.
	8,500-65,000	5.0Ω-9,200Ω	12-60		
	3,000-22,000	1.2KΩ-870KΩ	10-48		
 800 Series Tubular High Energy Bulk Ceramic	1,000	1.0Ω-200Ω	22.5	±5%, ±10%, ±20%	Not all sizes available in all values.
	1,000-8,000	1.0Ω-220KΩ	15-45		
	4,000-20,000	1.0Ω-390KΩ	30-90		
	4,000-30,000	1.0Ω-390KΩ	50-150		
	6,000-45,000	1.0Ω-470KΩ	60-190		
	10,000-75,000	1.0Ω-680KΩ	90-275		
	16,000-120,000	1.0Ω-1MΩ	125-375		
	16,000	1.0Ω-450Ω	750		
	22,000	1.0Ω-600Ω	1,000		
 1000 Series Tubular High Energy Bulk Ceramic	30,000	5.0Ω-1,200Ω	70	±5%, ±10%, ±20%	Not all sizes available in all values.
	45,000	6.5Ω-1,900Ω	100		
	75,000	9.0Ω-2,500Ω	150		
	120,000	15Ω-3,800Ω	225		
	165,000	20Ω-4,800Ω	300		
 ARCOL ARC2 Series High Voltage Precision Resistors	9kVdc	400-10GΩ	3.8	±0.1% to ±10% Applies to all power ratings	Non-Inductive, Thick Film; Low TCR
	12kVdc	500-15GΩ	5		
	18kVdc	900-20GΩ	7.5		
	24kVdc	1.2k-30GΩ	10		
	36kVdc	1.7k-30GΩ	12.5		
	42kVdc	2.6k-30GΩ	15		
	54kVdc	3.2k-30GΩ	17		
 ARCOL ARC3 Series High Voltage Precision Resistors	24kVdc	500-5GΩ	11	±0.1% to ±10% Applies to all power ratings	Non-Inductive, Thick Film; Low TCR
	48kVdc	700-10GΩ	23		
	48kVdc	2-10GΩ	54		
	64kVdc	20-15GΩ	71		
	96kVdc	80-25GΩ	105		
 HVC Series Precision high-value high-voltage wraparound chip	60	100k-100MΩ Applies to all power ratings	50mW	1%-30% Applies to all power ratings	Suitable for high vacuum applications—no organics
	150		100mW		
	400		125mW		
	1,000		250mW		
	3,000		1,000mW		
	6,000		1,500mW		

HIGH VOLTAGE (continued)








Resistor Family	Max Voltage*	Resistance (Ohms)	Watts	Tolerance	Notes
 MacroChip Series High Voltage/High Resistance Precision Thick Film Surface Mount	2.0kV	100-1,000MΩ	0.75	0.5%-20% Applies to all power ratings	Contact Ohmite for custom configurations.
	5.0kV	200-5,000MΩ	1.50		
	7.5kV	250-5,000MΩ	2.00		
	10.0kV	1K-5,000MΩ	2.50		
	5.0kV	500-5,000MΩ	2.50		
	10.0kV	1K-5,000MΩ	3.25		
 Maxi-Mox Series Precision Thick Film Axial Terminal High Voltage/High Resistance	10kV-50kV	250-1TΩ	2.0-12.5	0.5%-20%	Silicone or epoxy coating; Non-inductive available
 MC1RD Series SMT-MOX Divider	5kV	1M-5,000MΩ	1.5	0.5%-5%	Contact Ohmite for custom configurations.
 MC4 Series High Voltage 4-Resistor SMD DIP Package	2,500 VDC	200-5,000MΩ	0.75	5%-20%	Specify up to 4 different resistor value/tolerance combinations and connect them for countless results.
 Mini-Mox Series Precision Thick Film Axial Terminal High Voltage/High Resistance	2,500V-7.5kV	500-1TΩ	0.35-1.5	5%-20%	Silicone or epoxy coating; Metal oxide resistive element
 Power-Mox Series Precision Power Thick Film High Voltage/High Resistance Tubular	20kV	1k-800,000MΩ	25	0.5%, 1%, 2%, 5% (Some tolerances are not available over the entire resistance range)	0.4" diameter ferrule, 0.25"-20 threaded end cap, or radial bands available
	30kV	1.5k-1,000,000MΩ	40		
	45kV	2k-1,000,000MΩ	50		
	60kV	3k-1,000,000MΩ	75		
 RX-1M Hi-Meg Ultra High Resistance High Stability Hermetically Sealed	1.0kV	1M-10,000,000MΩ	0.5 at 25°C	5%-20%	Calibration available
 Slim-Mox Series Precision Thick Film Planar	1.5kV to 25kV	100-5,000MΩ	0.25-5.5	5%-20%	Multiple taps are provided on the Slim-Mox RD for use in advanced circuit designs.
 Super Mox Series High Voltage	9.4kV	600-10GΩ	3.9	0.10%, 0.25%, 0.5%, and 1% Applies to all voltage, resistances & power ratings	Other tolerances and ohmic values available on request.
	13.8kV	500-50GΩ	4.6		
	20kV	400-50GΩ	7.8		
	30kV	600-50GΩ	11.7		
	40kV	800-50GΩ	12.5		
	50kV	1M-50GΩ	15.5		
	60kV	1M-50GΩ	19.4		
 TFS Series Surge Capable Thick Film Non Inductive	3kV	100-100kΩ	.5	1%, 2%, 5%, 10% Applies to all voltage, resistances & power ratings	Custom dimensions, values, tolerances and characteristics available.
	3.5kV		.5		
	4kV		.75		
	7kV		1		
	7kV		1.5		
	11kV		2		
 TRH Series Thick Film	15kV not to exceed power rating	Continuous Power: 100-10kΩ Impulse Energy: 5-1kΩ High Voltage: 100K-100MΩ	30	1%, 5%, 10%	Meets Mil-Std-202 and IEC 61000-4-5

SURGE/HIGH ENERGY









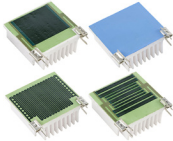
Need resistive products that can handle transients, overloads, in-rush, and other high-energy events? Ohmite has you covered. From composition to unique thick film designs, Ohmite offers multiple product series that can take thousands of Joules. Axial, Radial and Surface Mount designs are available to suit all needs and energy levels.

Common applications include: Motor starting, dynamic braking, medical surge, power supplies, UPS, power conversion, in-rush current limiting

SURGE/HIGH ENERGY

Resistor Family	Max Voltage*	Resistance (Ohms)	Watts	Tolerance	Notes
 100 Series Bulk Ceramic Axial Lead Resistors	1,000-3,000	1.0Ω-700KΩ	4-15	±5%, ±10%, ±20%	Not all sizes available in all values.
	3,600-9,000	2.0Ω-1MΩ	7-25		
	5,000-15,000	3.0Ω-1MΩ	10-36		
	8,800-25,000	4.0Ω-1MΩ	16-55		
 200 Series Bulk Ceramic Axial Lead Resistors	375-1,500	1.0Ω-390KΩ	1.2-2.5	±5%, ±10%, ±20%	Not all sizes available in all values.
	375-1,100	1.0Ω-150KΩ	1.6-7		
	500-2,500	1.0Ω-300KΩ	2.4-10		
	375-1,500	1.0Ω-130KΩ	2-8.5		
	500-2,500	1.0Ω-190KΩ	3-12		
	1,000-3,000	1.0Ω-450KΩ	5-18		
	3,600-9,000	2.0Ω-970KΩ	9-31		
	5,000-15,000	2.0Ω-1MΩ	13-45		
 500 Series Non-inductive Bulk Ceramic Slab Resistors	900-8,500	0.2Ω-800Ω	30-150	±5%, ±10%, ±20%, available to ±2% on assemblies	Not all sizes available in all values.
	8,500-65,000	5.0Ω-9,200Ω	12-60		
	3,000-22,000	1.2KΩ-870KΩ	10-48		
 800 Series Tubular High Energy Bulk Ceramic	1,000	1.0Ω-200Ω	22.5	±5%, ±10%, ±20%	Not all sizes available in all values.
	1,000-8,000	1.0Ω-220KΩ	15-45		
	4,000-20,000	1.0Ω-390KΩ	30-90		
	4,000-30,000	1.0Ω-390KΩ	50-150		
	6,000-45,000	1.0Ω-470KΩ	60-190		
	10,000-75,000	1.0Ω-680KΩ	90-275		
	16,000-120,000	1.0Ω-1MΩ	125-375		
	16,000	1.0Ω-450Ω	750		
	22,000	1.0Ω-600Ω	1,000		
 1000 Series Tubular High Energy Bulk Ceramic	30,000	5.0Ω-1,200Ω	70	±5%, ±10%, ±20%	Not all sizes available in all values.
	45,000	6.5Ω-1,900Ω	100		
	75,000	9.0Ω-2,500Ω	150		
	120,000	15Ω-3,800Ω	225		
	165,000	20Ω-4,800Ω	300		
 280 Series Corrib® Fixed and Adjustable Vitreous Enamel Power	$\sqrt{P \cdot R}$	0.1-63Ω	300	±10%	Also available in low cost Centohm or Silicone coating; Consult Ohmite.
 30 Series High Energy Wirewound Axial Terminal/Surface Mount/Heat Sinkable Packaging	200	1.0-150Ω	3	5%	Standard offerings in three package types: axial, SMD, and heat sinkable. Other types can be quoted on request
	460		5		
	1,000		10		
	520		25		
	200		3		

SURGE/HIGH ENERGY (continued)

	Resistor Family	Max Voltage*	Resistance (Ohms)	Watts		Tolerance	Notes
	A Series PulsEater® Ceramic Composition Available in E12 Ohmic values					±10% std. Applies to all voltage, resistances & power ratings	Joules
		1,000	3.3 to 10kΩ	2.0			250
		1,500	4.7 to 15kΩ	2.5			400
		1,000	1.0 to 3.3kΩ	3.5			700
		2,000	2.2 to 6.8kΩ	4.5			1,400
		2,500	1.5 to 4.7kΩ	5.5			2,800
	AS Series Anti-surge Thick Film Chip Resistors	Max Working Voltage: 150-500V Max Overload Voltage: 300-500V Dielectric Withstanding Voltage: 500V	1-10MΩ	0.33-1.5 at 70°C		±5% std.; ±10% and ±20% available	Follows the IEC 61000-4-5
	EY Series Ceramic Composition 10% Tolerance	550	10-390kΩ	2.5 at 25°C		±10%	Joules Max: 400
	G Series Capacitor Discharge & Symmetry			at 25°C	at 70°C	±1%, ±2%, ±5%, ±10%	IEC 115-1 Reference Standard
		685	1-82kΩ	10	8.5		
		940	1-120kΩ	13	11		
	MOX500 Series Epoxy Molded, Metal Glaze-Metal Oxide Resistors	RCWV or 1,000V, whichever lesser	Metal Glaze: 1.5k-5MΩ Metal Oxide: 15-<1.5kΩ	3 at 25°C 2 at 70°C		1%, 2%, 5%	Meets Mil-Std-202 and IEC 61000-4-5 up to 2kV
	OD/OF/OA Series Little Demon® Carbon Composition Molded	250	2.2-5.6MΩ	0.25		±5%, ±10% Applies to all voltage, resistances & power ratings	OD/OF Series available in E24 values; E12 values above 100kΩ
		350	2.2-20MΩ	0.50			
	OX/OY Series Ceramic Composition			at 70°C:		±10% std.	Joules Max:
		300	3.3-100kΩ	1		Applies to all voltage, resistances & power ratings	50
		400	3.3-1MΩ	2			80
	TFS Series Surge Capable Thick Film Non Inductive	3kV	100-100kΩ Applies to all power ratings	5		1%, 2%, 5%, 10%	Joules: 3.0 - 11.0 Custom dimensions, values, tolerances and characteristics available.
		3.5kV		0.5			
		4kV		0.75			
		7kV		1			
		7kV		1.5			
		11kV		2			
	TP Series High Energy Thick Film on Alumina Substrate	350 VAC 500 VDC through glass	10-1MΩ	20		±1%, ±5%, ±10%	Joules: 100 Consult factory for other ohmic values
	TRH Series Thick Film	15 kV, not to exceed power rating	Continuous Power: 100-10kΩ Impulse Energy: 5-1kΩ High Voltage: 100k-100MΩ	30		1%, 5%, 10%	Meets Mil-Std-202 and IEC 61000-4-5

HIGH CURRENT/BRAKING

Ohmite understands the demand for high current and braking applications. We provide quality high current products for load testing and dynamic braking resistors in the transportation and semiconductor industries. Thanks to the products' modular and scalable designs, customers can confidently find the proper high current/braking resistor required to fit their needs for motor deceleration and other applications.

Our high current resistors cover applications ranging from standard current loads to motor braking for trains and elevators. Other typical applications include: battery testing, current detection in precise power sources, constant current sources, industrial power conversion circuits, HEVs, fuel cells and constant electronic loads.

HIGH CURRENT/BRAKING

Resistor Family	Max Voltage*	Max Current (Amp)	Resistance (Ohms)	Watts	Tolerance	Notes
 14984 Series High Current Round Edgewound	$\sqrt{P \cdot R}$	160	0.118Ω	3,021	±10% Applies to all resistance ranges and power ratings	Available for ohmic values other than those listed, mountings, other terminal styles, all stainless frame and terminal construction.
		140	0.157Ω	3,077		
		130	0.171Ω	2,889		
		100	0.285Ω	2,850		
 280 Series Corrib® Fixed and Adjustable Vitreous Enamel Power	$\sqrt{P \cdot R}$	$\sqrt{\frac{P}{R}}$	0.1-63Ω	300	±10%	Also available in low cost Centohm or Silicone coating; Consult Ohmite.
 BA Series Aluminum Cased Resistor	1,000	$\sqrt{\frac{P}{R}}$	0.5-18kΩ	500	±10% Applies to all resistance ranges and power ratings	Thermal cut-off available; scalable, custom lengths available; custom leads available
			1-10kΩ	700		
			1-10kΩ	1,000		
 Euro-Power Wirewound Vitreous Enamel Power	Round Wire Construction				Under 1Ω: ±10% 1Ω and over: ±5% Applies to all resistance ranges and power ratings	Non-Inductive versions available; Other sizes available; Also available in low cost Centohm or Silicone coating; Consult Ohmite.
	1,400	$\sqrt{\frac{P}{R}}$	0.4-250kΩ	72		
	2,100		0.5-100kΩ	160		
	3,300		0.2-125kΩ	280		
	5,000		0.2-200kΩ	700		
	Ribbon Wire Construction					
	$\sqrt{P \cdot R}$	$\sqrt{\frac{P}{R}}$	0.10-18Ω	200		
	$\sqrt{P \cdot R}$		0.22-33Ω	350		
	$\sqrt{P \cdot R}$		0.33-56Ω	1,000		
 HCLB Series Resistor Load Banks, High Current Oval Edgewound	1,000V if mounting is grounded; Special higher voltage mounting is available.	23.5-285	0.1-41.3Ω	8kW-24kW	±10%	Choose from four bank wattages with up to thirty-one current ratings per bank.

*Maximum voltage is based on Ohm's Law $[V = \sqrt{P \cdot R}]$ as limited by the resistance value of specified product.

HIGH CURRENT/BRAKING (continued)

	Resistor Family	Max Voltage*	Max Current (Amp)	Resistance (Ohms)	Watts	Tolerance	Notes
	JR Series High Power Jumper Chip	$\sqrt{P \cdot R}$	100	0.5m-0.2mΩ	0.2-2	—	Available in 5 different sizes; 100MΩ insulation resistance
	PFE and PFR Series Powr-Rib® Edgewound Edgewound and Round Wire	$\sqrt{P \cdot R}$	5.1-100	0.1-25Ω	700-1,000 (up to 1,600 watts on special order)	±10% std., ±5% available	Designed in both Edgewound and Round Wire formats
	S Series Shunts High Current Shunts	$\sqrt{P \cdot R}$	100-1200	—	100-1,200A	0.5% accuracy class	Choose from 3 terminal types and 4A ratings.
	SGM Series Stamped Grid Module Resistors	1,000 VAC/ 1,400 VDC	$\sqrt{\frac{P}{R}}$	2.7-392Ω	4kW-380kW	±10% std.; others on request	Brake resistors are offered as open units or with an enclosure
	SH Series Shunt Precision Metal-Clad Shunts	$\sqrt{P \cdot R}$	100	1.000mΩ	100A	±0.5% Applies to all resistance ranges and power ratings	Simple four port Kelvin design ensures easy installation on large current bus bars.
			150	0.6666mΩ	150A		
			200	0.5000mΩ	200A		
			250	0.4000mΩ	250A		
			300	0.3333mΩ	300A		
	WLRD6G Series High Current Oval Edgewound	550	18-146	0.082-6.13Ω	525-1,750	±10%	Five sizes with up to thirty-one current ratings; special higher voltage mounting available
	WLRH Series Heliohm Wirewound	600	1.0-32.0	0.25-250Ω	1.0-32.0A continuous	±10%	45 models ranging from 0.25-250Ω; Various mounting options

*Maximum voltage is based on Ohm's Law $[V = \sqrt{P \cdot R}]$ as limited by the resistance value of specified product.

CURRENT SENSE

Ohmite's line of products for Current Sense applications provide ultra-low values while still maintaining resistive stability. Ohmite Current Sense resistors are offered in two and four terminal configurations. With the versatility of multiple mountings, constructions, and configurations, Ohmite customers are sure to find the proper Current Sense resistor required to fit their needs.

Common applications include: Solar inverters, frequency converters, current sensors for hybrid power sources, battery management systems, and measuring instruments

CURRENT SENSE

Resistor Family	Max Current (Amp)	Lowest Ω Value	Temperature Coefficient of Resistance	Tolerance	Notes
 10 Series Axial Wire Element Current Sense Two or Four Terminal Axial	22A	0.005 Ω (2-5W)	(0°C to 85°C) $\geq 0.015\Omega$: ± 50 ppm/°C; <0.015 Ω : ± 100 ppm/°C	$\pm 1\%$ std.	Other tolerances available
 14A Series Alumina Body Current Sense	$\sqrt{\frac{P}{R}}$ *	0.004 Ω (4W)	+150-+1100 ppm/°C based on resistance value. Increases as resistance value reduces.	$\pm 1\%$ std.	Other tolerances available; 9 popular resistance values for easy accessibility
 60 Series Two Terminal Metal Element Current Sense	$\sqrt{\frac{P}{R}}$ *	0.005 Ω (0.1-3W)	50-100 ppm/°C	$\pm 3\%$ std.	Multiple wattages, resistance values and tolerances offer a wide variety of design choices.
 60S Series Surface Mount Metal Plate Current Sense	$\sqrt{\frac{P}{R}}$ *	0.003 Ω (0.25W) 0.002 Ω (1W)	± 100 ppm/°C (0.25W) ± 350 ppm/°C (1W)	$\pm 5\%$	Custom values available
 ARCOL CRS Series CRS SMD Shunt Resistor	$\sqrt{\frac{P}{R}}$ *	0.002 Ω (3.5-7W) 0.005 Ω (2.5-5W)	± 50 - ± 100 ppm/°C (3.5-7W) ± 60 - ± 100 ppm/°C (2.5-5W)	$\pm 1\%$, $\pm 5\%$	Available in two sizes; Manganin or NiCr element material
 ARCOL L4T Series Four Terminal High Precision Current Sense Resistor	$\sqrt{\frac{P}{R}}$ *	10m Ω (0.5W, 0.75W)	± 50 ppm/°C ± 75 ppm/°C	$\pm 0.5\%$, $\pm 1\%$	Available in two sizes; TCR of 75 ppm with 50 ppm available
 CS3 Series Wire Element Four Terminal Precision Current Sense	Max. 40 permanent	1m Ω (3W)	TC referenced to 25°C, ΔR taken at -15°C and +105°C, 60 ppm/°C	1%, 2%, 5%	Non Inductive Design; Four terminal Kelvin connection
 CS5 Series High Power Precision Current Sense	60 at 1m Ω	1m Ω (1W)	± 30 ppm/°C	$\pm 0.5\%$, $\pm 1\%$	Four terminal Kelvin connection allows high precision measurements even with low resistance values

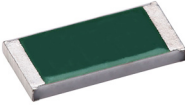








*Max current/voltage limited to Ohm's Law

CURRENT SENSE (continued)

Resistor Family	Max Current (Amp)	Lowest Ω Value	Temperature Coefficient of Resistance	Tolerance	Notes
 EBW Series Manganin/Aluchrom Alloy Current Sense	EBWA 100 at 0.5m Ω EBWB 180 at 0.2m Ω	EBWA (7W) 0.002 Ω EBWB (5W) 0.005 Ω	20°C-60°C Max. ± 200 ppm/°C	$\pm 1\%$, $\pm 5\%$	Manufactured using electron beam welding technology, allowing joining of different alloys with great accuracy and tolerance
 FC4L Series Four Terminal Current Sense Metal Foil Construction	5 45-24 85-35	5m Ω (0.25W) 1m Ω (1W) 1m Ω (2W)	± 50 ppm/°C- ± 100 ppm/°C	$\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, $\pm 5\%$	Industry standard sizes; Foil Construction ensures a very stable TCR
 FC4T Series Metal Foil Low Value Chip	$\sqrt{\frac{P}{R}}^*$	0.005 Ω (0.5W)	within ± 50 ppm, ± 100 ppm for 5m Ω	0.5% and 1% std.	Range of resistance from and a TCR down to 50 ppm
 FCSL Series Metal Foil Current Sense	45-270 at 1m-10m Ω ; 20-140 at 10m-100m Ω	2m Ω (1W) 1m Ω (1.5W-10W)	± 50 ppm/°C- ± 100 ppm/°C based on resistance value	$\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, $\pm 5\%$	Very low & stable TCRs available in a wide selection of very low ohmic values
 FK/GK Series Metal Alloy Low-Resistance Chip Resistor	$\sqrt{\frac{P}{R}}^*$	0.3m Ω (5W)	Manganin: $\leq \pm 70$ ppm/K Karma: $\leq \pm 40$ ppm/K (20°-120°C)	1%	Ideal for mounting on DCB/IMS substrate
 KDV Series Metal Film Low-Resistance Chip Resistor	2 2.24 3.16	50m Ω (0.2W) 100m Ω (0.25W) 100m Ω (0.5W)	± 50 ppm/°C- ± 100 ppm/°C based on resistance value	0.5%, 1%	Halogen and lead-free; Provides long-term stability & high-precision current sensing
 LVC Series Low Value Chip	32 40 45	10m Ω (0.5W) 10m Ω (0.75W) 10m Ω (1W)	± 50 ppm/°C- ± 100 ppm/°C based on resistance value	1%, 2%	Terminal Barrier Resists Ag Migration; Designed for Automatic Insertion
 LVK Series Four Terminal High Precision Current Sense	20 23 27 200	0.01 Ω (0.5W) 0.01 Ω (0.75W) 0.01 Ω (1.0W) 0.001 Ω (2W)	50 ppm/°C 50 ppm/°C 50 ppm/°C 100-300 ppm/°C	0.25%, 0.5% and 1% std.	Industry standard sizes; High-precision Kelvin connect capability in a small package
 LVM Series Current Sensing Metal Chip Resistor	$\sqrt{\frac{P}{R}}^*$	10m Ω (0.125W) 10m Ω (0.5W) 7m Ω (1.0W)	100, 50, 100 ppm/°C 100, 50, 100 ppm/°C 50-75 ppm/°C	$\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, $\pm 5\%$	SMD Type designed for automatic insertion; High overload rating in small size (5 times rated wattage for 5 seconds)

*Max current/voltage limited to Ohm's Law

CURRENT SENSE (continued)



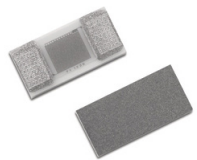
Resistor Family	Max Current	Lowest Ω Value	Temperature Coefficient of Resistance	Tolerance	Notes
 LVR Series Low-TCR Current Sense Chips	$\sqrt{\frac{P}{R}}$ *	5m Ω (0.1W), 2.5m Ω (0.125W)	150 ppm/ $^{\circ}$ C ± 150 ppm/ $^{\circ}$ C - ± 350 ppm/ $^{\circ}$ C	1%, 5%	LVR series chip sizes amongst the smallest current sense chips on the market; great stability with TCR values down to 150 ppm
 LVT Series Low Value Current Sense	$\sqrt{\frac{P}{R}}$ *	2.5m Ω (0.33W, size 0402) 2m Ω (0.33W, size 0603) 2m Ω (0.5W) 2m Ω (1W)	± 150 , 100, 75, or 50 ppm based on resistance	3%, 2% and 1% based on resistance value	Flip Chip design produces an economical option; Great stability with TCR down to 50 ppm
 MCS Series Metal Element Current Sense Resistive Metal Alloy mOhm Technology, SMD	$\sqrt{\frac{P}{R}}$ *	3m Ω (0.75W) 3m Ω (1W) 2m Ω (2W)	>10m Ω : ± 100 ppm/ $^{\circ}$ C ≤ 10 m Ω : ± 50 ppm/ $^{\circ}$ C	1%, 3%, 5%	NiCu or MnCu resistive alloy; material TCR ± 10 ppm/ $^{\circ}$ K
 PCS Series Low Resistance Value Chip Resistors	31.62 63.25 31.62	1m Ω (1W) 0.5m Ω (2W) 4m Ω (4W)	± 50 ppm/ $^{\circ}$ C	0.5%, 1%	Metal alloy plate construction, alloy type based on resistance value.
 RW1/RW2 Series Surface Mount Four Terminal Current Sense	$\sqrt{\frac{P}{R}}$ *	5m Ω (1W-2W)	± 50 ppm/ $^{\circ}$ C	1%	Flameproof UL94-V-0
 S Series Shunts High Current Shunts	$\sqrt{\frac{P}{R}}$ *	—	—	0.5% accuracy class	Choose from 3 terminal types and 4 Amp ratings.
 SB Series Surface Mount Element Current Sense	$\sqrt{\frac{P}{R}}$ *	2m Ω (3W) 16m Ω (2W) 1m Ω (5W)	± 70 , ± 40 (See notes)	$\pm 1\%$, $\pm 2\%$, $\pm 5\%$	TCR = ± 40 , ± 70 ; For 2-3m Ω SBM12 and 1m Ω SBM20, TCR is 240 ppm
 SH Series Shunt Precision Metal-Clad Shunts	$\sqrt{\frac{P}{R}}$ *	1m Ω 0.66m Ω 0.5m Ω 0.4m Ω 0.33m Ω	Max. 30 ppm/ $^{\circ}$ C [20 $^{\circ}$ C and 60 $^{\circ}$ C]	$\pm 0.5\%$	Simple four port Kelvin design ensures easy installation on large current bus bars.
 TGHG Series Chassis Mounting Non-inductive High Power Resistors	150 permanent not to exceed Ohms Law power load $\sqrt{\frac{P}{R}}$ *	0.5m Ω (100W)	Referenced to 25 $^{\circ}$ C, ΔR taken at -15 $^{\circ}$ C and +105 $^{\circ}$ C, <60 ppm/ $^{\circ}$ C; <500 ppm/ $^{\circ}$ C for resistance range 27m-49m Ω	0.5% (0.0005 thru 0.022 Ω), 1%, 5%	SOT 227 Package; Other ohmic values available on request

*Max current/voltage limited to Ohm's Law

RESISTIVE BASED SENSORS/SENSING

For touch, pressure, temperature, and more, you can find the sensor for your project among Ohmite's multiple resistive sensor options. Utilizing technologies like thick film and thin film inks, we produce several versatile sensor types that can be easily integrated into your product.

RESISTIVE BASED SENSORS/SENSING

Resistor Family	Actuation force	Sensing Range	Long Term Drift	Lifecycle Durability	Notes
 FSR Series Force Sensing Resistor	Force to reach 10MΩ, Average of 100 samples <10g - <30g	Circa 20g to 5kg	1kg for 48hrs, Per log time <1% - <2%	(10M) 1kg force at 3Hz, Avg. change in res. of 4 sensors 3%-17%	Three individual designs (square, circle, and strip); Largely immune to EMI and water events; false touch rejection
 FSP Series Force Sensing Potentiometers	Force to reach 10MΩ, Average of 100 samples <20g	Force range up to 1kg	1kg for 48hrs, Per log time <2%	(10M) 1kg force at 3Hz, Avg. change in resistance of 4 sensors 4%	Dynamically reconfigurable in firmware enabling multiple functions from a single sensor; Largely immune to EMI and water events; false touch rejection
	Specification	Nom. Resistance (Ω)	Temp. Range	Tolerance	Notes
 FST Series Thin Film Temperature Sensor	DIN EN 60751	100-1,000Ω	-50°C to 170°C	Class B (R0: ±0.12%), Class 2B (R0: ±0.24%)	Two tolerance classes available; Multiple values available for high resolution

ABOUT OHMITE:

LEADING THE RESISTIVE PRODUCT CHARGE SINCE 1925

Ohmite Manufacturing Company has been the leading provider of resistive products for high current, high voltage, and high energy applications for over 90 years. The company's full portfolio of resistor construction includes wirewound, wire element, thick film, and ceramic composition.

Ohmite Manufacturing Company started operations in a small shop on the west side of Chicago in 1925. Founded by David T. Siegel, the company's focus was to manufacture carbon and wirewound 'lug' resistors for Chicago's growing radio manufacturing industry.

As the electronics industry evolved, Ohmite evolved along with it to service ever-changing design requirements. Through acquisitions from 1996-1999, Ohmite added the wirewound capabilities of Memcor-Truohm and Ward Leonard Resistors, as well as Victoreen Components's experienced specialization in Thick Film technology for high voltage applications.

In 1998, Ohmite was acquired by Heico Companies LLC; a multinational, U.S. based holding company, allowing for the move and expansion of Ohmite's Chicago-area plant. 2006 saw Ohmite's continued growth and enhancement of product offerings when it acquired Vishay's Angstrom Rheostat and Ultronix Precision Resistor divisions.

Strengthened by the backing of Heico Companies LLC, Ohmite strives to maintain the flexibility needed to handle both large and small requirements. Product availability in today's market is critical to the success of our customers, which is why we continue to work with made-to-order parts and evaluate new technologies. Ohmite's network of international distributors and sales representatives enables us to fulfill the requirements of an increasingly global marketplace.

We offer a broad selection of Power Resistors to worldwide customers in the industrial, medical, military, and aerospace industries. Through ongoing product development, we continue to provide the latest in resistor technology required by today's sophisticated high voltage, high current, and high energy circuit designs. To view our most up to date resistor products please visit our website at www.ohmite.com.

Get in Touch – We're ready to help you find a solution to your design challenges.

1-866-9-OHMITE | www.ohmite.com/contact/ | F: 1-847-574-7522

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Matamoros, Mexico (Manufacturing)

Brownsville, TX (Distribution Center, Product Development)

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