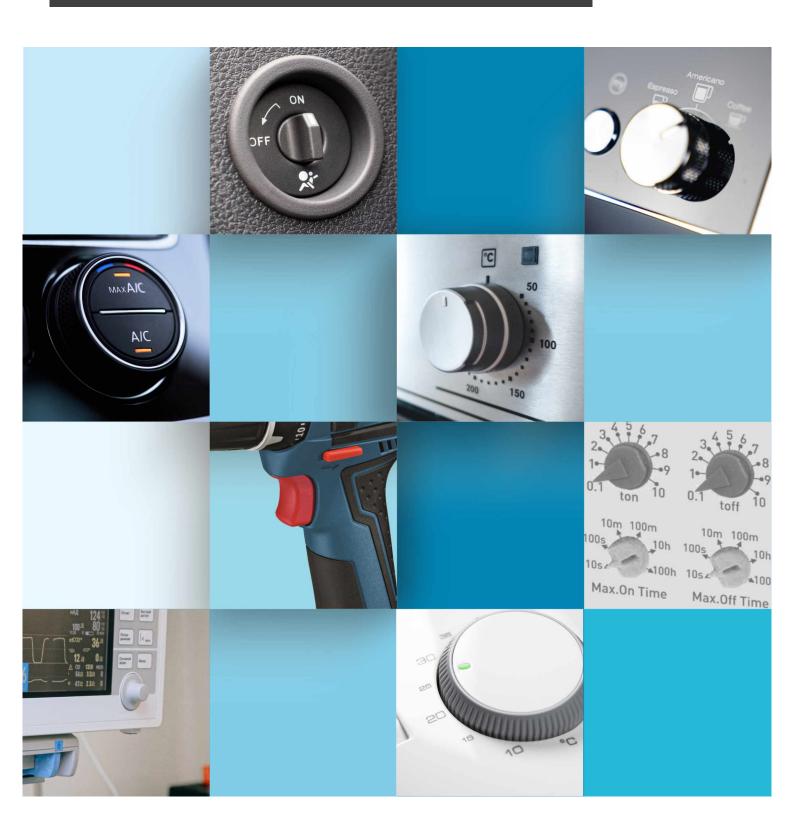




Product Guide

Potentiometers, Encoders and Panel Controls



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Adaptable to your requirements Wide range of shafts and rotors, different packaging and detent options, switch and low torque versions.



SMD Potentiometers

Detents for haptic feedback Mechanical detents add a click sensation to the rotation and allow for more precise position selection.



Dust proof housing IP54 protection according to IEC 60529.



Flame retardant plastic (UL 94V-0) Housing, rotor and shaft of cermet potentimeters are made of non-flammable

plastic. Optional for carbon potentiometers.

	Model		Size	Electrical Angle	Technology	Power Rating (W)	Resistance Range	Taper	Standard Tolerance	Temperature Range	Rotational Life (max)	Detents
		N-6R	6 mm	245° ±25°	Carbon	0.1 (50°C)	250Ω to 500 kΩ	Linear	±30%	-25°C to +70°C (up to +85°C)	10.000	n/a
Trimmers		PS-6	6 mm	200° ±20°	Carbon	0.1 (50°C)	1 kΩ to 1 MΩ	Linear / Non-linear	±30%	-40°C to +85°C	10.000	New! Up to 10
Trim	and the second s	PS-10	10 mm	220° ± 20°	Carbon	0.15 (50°C)	1 kΩ to 1 MΩ	Linear	±30%	-40°C to +85°C	10.000	Up to 16
	Se .	PSC-10	10 mm	220° ± 20°	Cermet	0.33 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-40°C to +90°C	10.000	Up to 16
	E.P.	PS-15	15 mm	240° ± 20°	Carbon	0.25 (50°C)	1 kΩ to 1 MΩ	Linear	±30%	-40°C to +85°C	100.000	Up to 38
Controls	(P)	PSC-15	15 mm	240° ± 20°	Cermet	0.5 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20% / ±30%	-40°C to +90°C	10.000	Up to 38
		STS-15	15 mm	333°	Carbon	0.25 (50°C)	1 kΩ to 1 MΩ	Linear	±30%	-40°C to +85°C	100.000	Up to 51
		360° End	lless Rot	ation								

Through-Hole Potentiometers

	Mode	el	Size	Electrical Angle	Technology	Power Rating (W)	Resistance Range	Taper	Standard Tolerance	Temperature Range	Rotational Life (max)	Detents
		N-6	6 mm	245° ±25°	Carbon	0.1 (50°C)	100Ω to 1 ΜΩ	Linear	±30%	-25°C to +70°C (up to +85°C)	100	n/a
Trimmers	P	PT-6	6 mm	200° ±20°	Carbon	0.1 (50°C)	220Ω to 5 MΩ	Linear / Non-linear	±20%	-25°C to +70°C (up to +85°C)	10.000	New! Up to 10
Trim	C	PT-10	10 mm	220° ± 20°	Carbon	0.15 (50°C)	100Ω to 5 MΩ	Linear / Non-linear	±20%	-25°C to +70°C (up to +85°C)	100.000	Up to 16
	91	PTC-10	10 mm	220° ± 20°	Cermet	0.33 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20%	-40°C to +90°C (up to +120°C)	10.000	Up to 16
	6	PT-15	15 mm	240° ± 20°	Carbon	0.25 (50°C)	100 Ω to 5 MΩ	Linear / Non-linear	±20%	-25°C to +70°C	100.000	Up to 38
Controls	Contraction of the second seco	PTC-15	15 mm	240° ± 20°	Cermet	0.5 (70°C)	100Ω to 5 MΩ	Linear / Non-linear	±20%	-40°C to +90°C (up to +120°C)	10.000	Up to 38
	9	ST-15	15 mm	333°	Carbon	0.25 (50°C)	1 kΩ to 100 kΩ	Linear	±30%	-25°C to +70°C	200.000	Up to 51
		360° End	dless Rot	ation								

PIHER sensing systems

Amphenol Sensors

Product Guide

Potentiometers, Encoders and Panel Controls

Low Prof	Low Profile Resistive Position Sensor / Potentiometer												
Mod	el	Mounting	Electrical Angle	Technology	Power Rating (W)	Resistance Range	Taper	Relative Linearity	Standard Tolerance	Temperature Range	Rotational Life (max)		
Contraction of the second seco	N-15	THT / SMD	340° ±10°	Carbon	0.15 (50°C)	5 kΩ to 100 kΩ	Linear / Non-linear	±2%	±30%	-40°C to +120°C	2.000.000		
		360° Endless Rotation, 4.4 mm profile height											

Linear Pot	Linear Potentiometer												
Model	l	Mounting	Mechanical Travel	Technology	Power Rating (W)	Resistance Range	Taper	Relative Linearity	Standard Tolerance	Temperature Range	Mechanical Life		
	NPL	THT	Up to 12 mm	Carbon	0.2 (50°C)	1 kΩ to 100 kΩ	Linear	±2%	±30%	-40°C to +105°C	50.000 cycles		

Panel-Mo	ount Pot	entiometers	5							
Model		Mounting	Size	Electrical Power Rating Angle (W)		Resistance Range	Taper	Taper Standard Tolerance		Optional features
	T-16	Solder lugs / THT	16 mm	280° ±20°	0.2 (50°C)	100Ω to 5 MΩ	Linear / Non-linear	±20%	-25°C to +70°C (up to +85°C)	Detents, switch, stereo matching
No.	PC-16	Solder lugs / THT	16 mm	280° ±20°	0.2 (50°C)	100Ω to 5 MΩ	Linear / on-linear	±20%	-25°C to +70°C (up to +85°C)	Switch, stereo matching, up to 4 gangs
	T-21	Solder lugs / THT	21 mm	290° ± 20°	0.25 (50°C)	100Ω to 5 MΩ	Linear / on-linear	±20%	-25°C to +70°C (up to +85°C)	Detents, switch, stereo matching

Value-Added Panel Controls

Мос	lel	Mounting	Size	Electrical Angle	Power Rating (W)	Resistance Range	Taper	Standard Tolerance	Temperature Range	Optional features	
	DCM- PTT	THT	21 mm	Up to 340° ± 10°	0.15 (50°C)	10 kΩ	Linear	±20%	-40°C to +120°C	Detents, end stop	
		Push-to-Turn Panel Control, available as gray code / incremental encoder, rotary switch or potentiometer version									
	DCM- PTT-DA	6-pin connector	21 mm	280° ± 10°	0.15 (50°C)	10 kΩ	Linear	±20%	-40°C to +120°C	Detents, end stop	
Contraction of the second	T TT-DA	Dual Shaft Pu	ush-to-Turn P	anel Control, o	nly on request						

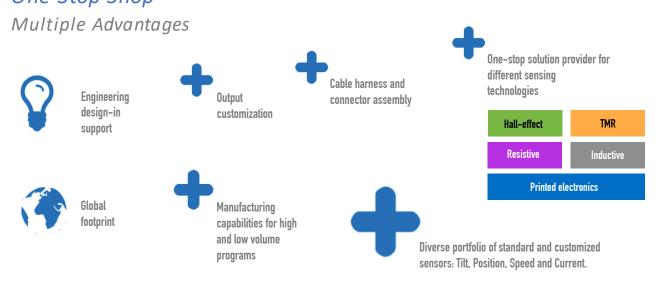
Thick-Film Resistors

Life	Size	Electrical Travel	Resistance Range	Taper	Output	Films	Optional Features
 Up to 5M	Any	Any	10Ω to 1MΩ	Any	Linear Non-linear Stepped Custom	Conductive Resistive Dielectric	Redundancy Controlled linearity Ceramic substrates
 Any combination	on of fixed resis	l stors, switches	, potentiometer t	racks and co	l nductors onto virt	ually any size,	, shape or PCB form

Contactle	Contactless Panel-Mount Control												
Mod	lel	Mechanical Angle	Electrical Angle	Technology	Linearity	Resolution	Output Protocol	Output Range	Supply Voltage	Supply Current	Connection		
•	PSE-360	360°	40° to 360°	Hall-Effect	±1% absolute	12 bits	Analog, PWM	10% to 90% Vdc, 90% to 10% Vdc	5V ±10%	Typ 8.5 mA	Fly leads or connector		
		Compact Panel Mount Hall-Effect Rotary Sensor											
S	PSE-290	290°	270°	Hall-Effect	±1% absolute	12 bits	Analog, PWM	10% to 90% Vdc, 90% to 10% Vdc	5V ±10%	Typ 8.5 mA	Fly leads or connector		
		Compact Par	nel Mount Ha	ll-Effect Rotar	y Sensor wi	th mechanica	l end stop						

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