



ボディ電子機器の主要部品



快適性、ドア
ウインドウ制御

インフォテインメント、
ナビ、オーディオ

内装
LED照明



THE VISHAY ADVANTAGE

- AEC準拠
- 高電力密度
- 薄型
- 耐久性
- カスタム対応



快適性、ドア ウインドウ制御



MOSFETs N-Channel MOSFETs in 5 mm x 6 mm PowerPAK®, 40 V, 58 A, 6.3m Ω SQJ868EP <ul style="list-style-type: none">AEC-Q101 qualified, 100 % UIS and RG tested with up to 175 °C operationThermally enhanced PowerPAK SO-8L replaces DPAK in less than half of the area	RECTIFIERS Surface-Mount Schottky Barrier Rectifiers MSS1P4 <ul style="list-style-type: none">Very low profile - typical height of 0.65 mmAEC-Q101 qualified	DIODES SMD Power ESD Diodes, Up to ± 30 kV, I_{FSM} = 50 A SMFx <ul style="list-style-type: none">SMF package: 3.5 mm x 1.9 mmBreakdown voltage = 6.4 V to 64.4 V
RESISTORS Thick Film Surface-Mount Chip Resistors, Wraparound, Extremely Low Value RCWE <ul style="list-style-type: none">Low resistance values from 0.01 Ω to 0.99 Ω and tolerance of 1 %Thick film construction with 2x power capacity	OPTOELECTRONICS Ambient Light PIN Photodiode Sensors TEMD6200FX01 <ul style="list-style-type: none">SMD 0805 package, low profile of 0.85 mm, wide viewing angle of ± 60 °Spectral sensitivity close to human eye, high signal output linearity	OPTOELECTRONICS Silicon PIN Photodiode with Excellent Output Linearity Characteristics VEMD6160X01 <ul style="list-style-type: none">SMD 1206 package, daylight blocking filter, wide viewing angle of ±70°Low capacitance of 4.6pF, ideal for noisy environments and small signal detection
INDUCTORS Low-Profile, High-Current IHLP® Inductors IHLP-4040DZ-5A <ul style="list-style-type: none">Excellent high-current performance for noise filtersHigh-temperature operation up to 155 °C	TANTALUM CAPACITORS Solid Tantalum Chip Capacitors, High CV Leadframeless Molded, Automotive Grade TP3 / TP8 <ul style="list-style-type: none">TP3 - AEC-Q200 qualified; low ESR; A, B, C, D and E casesTP8 - AEC-Q200 qualified	ALUMINUM CAPACITORS Aluminum Capacitors, Increased Vibration Resistance 246 CTI-V <ul style="list-style-type: none">High temperature, low impedance, high vibration capabilityHigh ripple current, long useful life
OPTOELECTRONICS SMD Silicon PIN Photodiodes with Large Active Area for High Photo Currents VEMD5110X01 <ul style="list-style-type: none">QFN package with wettable flanks, reduced noise sensitivityWide operating temperature range of -40 ° to +110 °C, wide viewing angle of ± 65°	OPTOELECTRONICS 850 nm SMD Infrared Emitters VSMY1850ITX01 <ul style="list-style-type: none">SMD 0805 package, low profile of 0.85 mm, high radiant intensity of 10 mW/srWide operating temperature range of -40 ° to +105 °C, wide viewing angle of ± 60°	CERAMIC CAPACITORS High Operating Temperature, Automotive Grade Leaded MLCC Capacitors HOTcap® K...H, A...R, K...R <ul style="list-style-type: none">High-reliability MLCC insert with wet build processHigh operating temperature (up to 175 °C for K...H and up to 160 °C for A...R and K...R), rated voltages: 50 V, 100 V, 200 V



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MOSFETs Dual N-Channel MOSFETs in 5 mm x 6 mm PowerPAK®, 40 V, 11 mΩ / 22 mΩ SQJ942EP <ul style="list-style-type: none"> AEC-Q101 qualified, 100 % UIS and RG tested with up to 175 °C operation Optimized for high-frequency DC/DC applications, lower switching losses 	OPTOELECTRONICS 890 nm SMD Infrared Emitters VSMF970011X01 <ul style="list-style-type: none"> Low-profile PLCC² package, wavelength matched to sensitivity of proximity sensor External emitter to enable gesture function of proximity sensor 	INDUCTORS IHLP® High-Temperature (155 °C) Parts in Double Inductor Package IHLD-4032KB-5A <ul style="list-style-type: none"> Optimal design provides high quality sound and low distortion Low coupling for minimal cross-talk between inductors
RESISTORS Thick Film Surface-Mount Chip Resistors, Wraparound, Extremely Low Value RCWE0603 <ul style="list-style-type: none"> Low resistance values from 0.01 Ω to 0.99 Ω and tolerance of 1 % Thick film construction with 2x power capacity 	OPTOELECTRONICS Integrated Proximity and Ambient Light Sensors with I ^C Interface VCNL4020X01 <ul style="list-style-type: none"> Low-profile QFN SMD package, 16 bit resolution, proximity distance up to 200 mm Suitable for extended detection range, gesture function with external emitters 	MOSFETs Dual N-Channel MOSFETs in 5 mm x 6 mm PowerPAK®, 12 V, 2.7 mΩ / 7.4 mΩ SQJ202EP <ul style="list-style-type: none"> AEC-Q101 qualified, 100 % UIS and RG tested with up to 175 °C operation Low-voltage, high-frequency synchronous buck applications, lower switching losses
RECTIFIERS Surface-Mount Schottky Barrier Rectifiers MSS1P4 <ul style="list-style-type: none"> Very low profile - typical height of 0.65 mm AEC-Q101 qualified 	INDUCTORS Low-Profile, High-Current IHLP® Inductors IHLP-2525CZ-5A <ul style="list-style-type: none"> Excellent high-temperature performance for DC/DC converter input and output filters 	RESISTORS Precision Thin Film Resistor Arrays, Superior Moisture Resistivity, TCR ± 0.05 ACAS 0606 AT <ul style="list-style-type: none"> Arbitrary resistance ratio up to 1:20, superior tracking stability over lifetime Relative TCR down to ± 5 ppm/K (tracking), AEC-Q200 qualified
TANTALUM CAPACITORS Solid Tantalum Chip Capacitors, High CV Leadframeless Molded, Automotive Grade TP8 <ul style="list-style-type: none"> Smallest AEC-Q200 qualified tantalum capacitors with case sizes as small as 0603 	CERAMIC CAPACITORS AEC-Q200 Qualified, Broad Range of Sizes and Working Voltages, C0G (NPO), X7R, and X8R VJ...31X RoHS Automotive MLCCs <ul style="list-style-type: none"> RoHS and Green compliant parts available AgPd termination available for epoxy bonding 	INDUCTORS High-Current SMD Inductors with E-Field Shielding and 155 °C Operating Temperature IHLE-3232DD-5A <ul style="list-style-type: none"> Excellent EMI protection, double-shielded



内装 LED照明



<p>RESISTORS Pulse-Proof, High-Power Thick Film Chip Resistors CRCW-HP e3</p> <ul style="list-style-type: none"> Excellent pulse load capability Enhanced power rating 	<p>MOSFETs P-Channel MOSFETs in 3 mm x 3 mm PowerPAK® 1212, -60 V, -16 A, 65 mΩ SQ7415AENW</p> <ul style="list-style-type: none"> AEC-Q101 qualified, 100 % UIS and RG tested with up to 175 °C operation High power density PowerPAK® 1212 with wettable flanks for AOI 	<p>RECTIFIERS Surface-Mount Schottky Barrier Rectifiers MSS1P6</p> <ul style="list-style-type: none"> Low-profile MicroSMP package for low-voltage, high-frequency inverters; DC/DC converters; and polarity protection applications
<p>MOSFETs N-Channel MOSFETs in 3 mm x 3 mm PowerPAK® 1212, 60 V, 18 A, 23 mΩ SQ7414AENW</p> <ul style="list-style-type: none"> AEC-Q101 qualified, 100 % UIS and RG tested with up to 175 °C operation High power density PowerPAK® 1212 with wettable flanks for AOI 	<p>RECTIFIERS 100 V, 2 A High-Voltage Schottky Diodes, T_j = 175 °C SS2PH10</p> <ul style="list-style-type: none"> SMP(DO-220AA) package, 3.7 mm x 2.18 mm 	<p>RESISTORS Power Metal Strip® SMD Resistors, Wide Terminal, 1 mΩ to 3 mΩ, 1 W WSL0612</p> <ul style="list-style-type: none"> Low EMF, high temperature up to 170 °C
<p>RESISTORS Thick Film Surface-Mount Chip Resistors, Wraparound, Extremely Low Values RCWE0603</p> <ul style="list-style-type: none"> Low resistance values from 0.01 Ω to 0.99 Ω and tolerance of 1 % Thick film construction with 2x power capacity 	<p>NON-LINEAR RESISTORS SMD Glass-Protected NTC Thermistors NTCS...e3</p> <ul style="list-style-type: none"> Standard series, AEC-Q200 compliant Glass-protected with soft terminations 	<p>INDUCTORS Low-Profile, High-Current IHLP® Inductors IHLP-1616BZ-A1</p> <ul style="list-style-type: none"> Shielded construction, lowest DCR/μH in this package size Excellent DC/DC energy storage up to 5 MHz
<p>TANTALUM CAPACITORS Solid Tantalum Molded Chip Capacitors, Automotive Grade TP3</p> <ul style="list-style-type: none"> AEC-Q200 qualified, low ESR A, B, C, D, and E cases 		