



INVESTOR PRESENTATION

AUGUST 2020

- VISHAY TODAY
- GROWTH DRIVERS
- TARGETS & PROJECTIONS
- Q2 FINANCIALS & METRICS

A **WORLD OF**
SOLUTIONS™





NOTES ON FORWARD-LOOKING STATEMENTS

Comments in this presentation other than statements of historical fact may constitute forward-looking statements. Words such as “believe,” “estimate,” “will be,” “will,” “would,” “expect,” “anticipate,” “plan,” “project,” “intend,” “could,” “should” or other similar words or expressions often identify forward-looking statements. Such statements are based on current expectations only, and are subject to certain risks, uncertainties and assumptions, many of which are beyond our control. Should one or more of these risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results, performance or achievements may vary materially from those anticipated, estimated or projected. Factors that could cause actual results to materially differ are described in our filings with the U.S. Securities and Exchange Commission, including our annual reports on Form 10-K and quarterly reports on Form 10-Q, specifically in the sections titled “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and “Risk Factors.” The Company undertakes no obligation to update any forward-looking statements.

NON-GAAP FINANCIAL MEASURES

Management uses measures which are not recognized in accordance with U.S. generally accepted accounting principles (“GAAP”) to evaluate its business, and may refer to such measures in this presentation. These measures are considered “non-GAAP financial measures” under the U.S. Securities and Exchange Commission rules. These non-GAAP financial measures are intended to supplement our GAAP measures of performance and liquidity. These non-GAAP measures may include: adjusted net earnings, adjusted gross margin, adjusted operating margin, adjusted earnings per share, free cash, cash available to enhance stockholder value, EBITDA, Adjusted EBITDA, EBITDA margin, breakeven point, contribution margin, and various measures and metrics “excluding VPG”.

“**Adjusted net earnings**” is net earnings (loss) determined in accordance with GAAP, adjusted for various items that Management believes are not indicative of the intrinsic operating performance of the Company, such as restructuring and severance costs, asset write-downs, impairment of goodwill, the direct impact of the COVID-19 outbreak, and other significant charges or credits that are important to understanding our intrinsic operations. The measurement is used by Management to evaluate our performance, and also is a key performance metric for executive compensation. Reconciling items to arrive at adjusted net earnings are more fully described in the Company’s annual report on Form 10-K and its quarterly reports on Forms 10-Q.

“**Adjusted gross margin**” is gross margin determined in accordance with GAAP (net revenue less costs of products sold and certain other period costs), adjusted to exclude items that Management believes are not indicative of the intrinsic operating performance of the Company, such as losses on purchase commitments, the direct impact of the COVID-19 outbreak, and unusual inventory write-downs. It may be expressed in dollars or as a percentage of net revenue. The measurement is used by Management to evaluate the performance of our business segments, as well the business as a whole. Reconciling items to arrive at adjusted gross margin are also considered in the calculation of adjusted operating margin and adjusted net earnings. Such reconciling items are more fully described in the Company’s annual report on Form 10-K and its quarterly reports on Forms 10-Q.

“**Adjusted operating margin**” is operating income determined in accordance with GAAP, adjusted for items that Management believes are not indicative of the intrinsic operating performance of the Company. It may be expressed in dollars or as a percentage of net revenue. The measurement is used by Management to evaluate our performance. Reconciling items to arrive at adjusted gross margin are also considered in the calculation of adjusted operating margin; and reconciling items to arrive at adjusted operating margin are also considered in the calculation of adjusted net earnings. Such reconciling items are more fully described in the Company’s annual report on Form 10-K and its quarterly reports on Forms 10-Q.

“**Adjusted earnings per share**” is “adjusted net earnings” divided by the weighted average diluted shares outstanding for a period, adjusted for the effect of reconciling items, if applicable, on the diluted weighted average shares outstanding. For example, some potential common shares which are anti-dilutive to the computation of GAAP earnings per share may be dilutive after considering reconciling items.

“**Free cash**” is cash generated from operations in excess of our capital expenditure needs and net of proceeds from the sale of assets. Management uses this measure to evaluate our ability to fund acquisitions, repay debt, and otherwise enhance stockholder value through stock buy-backs or dividends.

“**Cash available to enhance stockholder value**” is “free cash” less cash paid for acquisitions (including acquisition-related restructuring) and less debt principal payments. While internal growth and targeted acquisitions also enhance stockholder value through the generation of “free cash”, Management uses this measure to evaluate our ability to fund further enhancements to stockholder value, such as stock buy-backs or dividends.

“**EBITDA**” is earnings before interest income and expense, provision for income taxes, depreciation expense, and amortization expense. Management believes that EBITDA provides additional information with respect to a company’s performance and ability to meet its future capital expenditures and working capital requirements, particularly when evaluating acquisition targets.

“**Adjusted EBITDA**” is EBITDA adjusted for relevant reconciling items used to calculate adjusted net earnings (described above). Adjusted EBITDA is substantially similar to, but not identical to, a measure used in the calculation of financial ratios required for covenant compliance under Vishay’s revolving credit facility.

“**EBITDA Margin**” is “adjusted EBITDA” divided by net revenues.

“**Breakeven point**” represents the quantity of output where total revenues and total operating costs are equal (in other words, where the operating income is zero). Management uses this measurement in evaluating our cost structure.

“**Contribution margin**,” sometimes referred to as “variable margin,” is calculated as net revenue less costs that vary with respect to quantity produced (or another output-related driver). It may be expressed in dollars or as a percentage of net revenue. Management uses this measure to determine the amount of profit to be expected for any increase in revenues in excess of the break-even point.

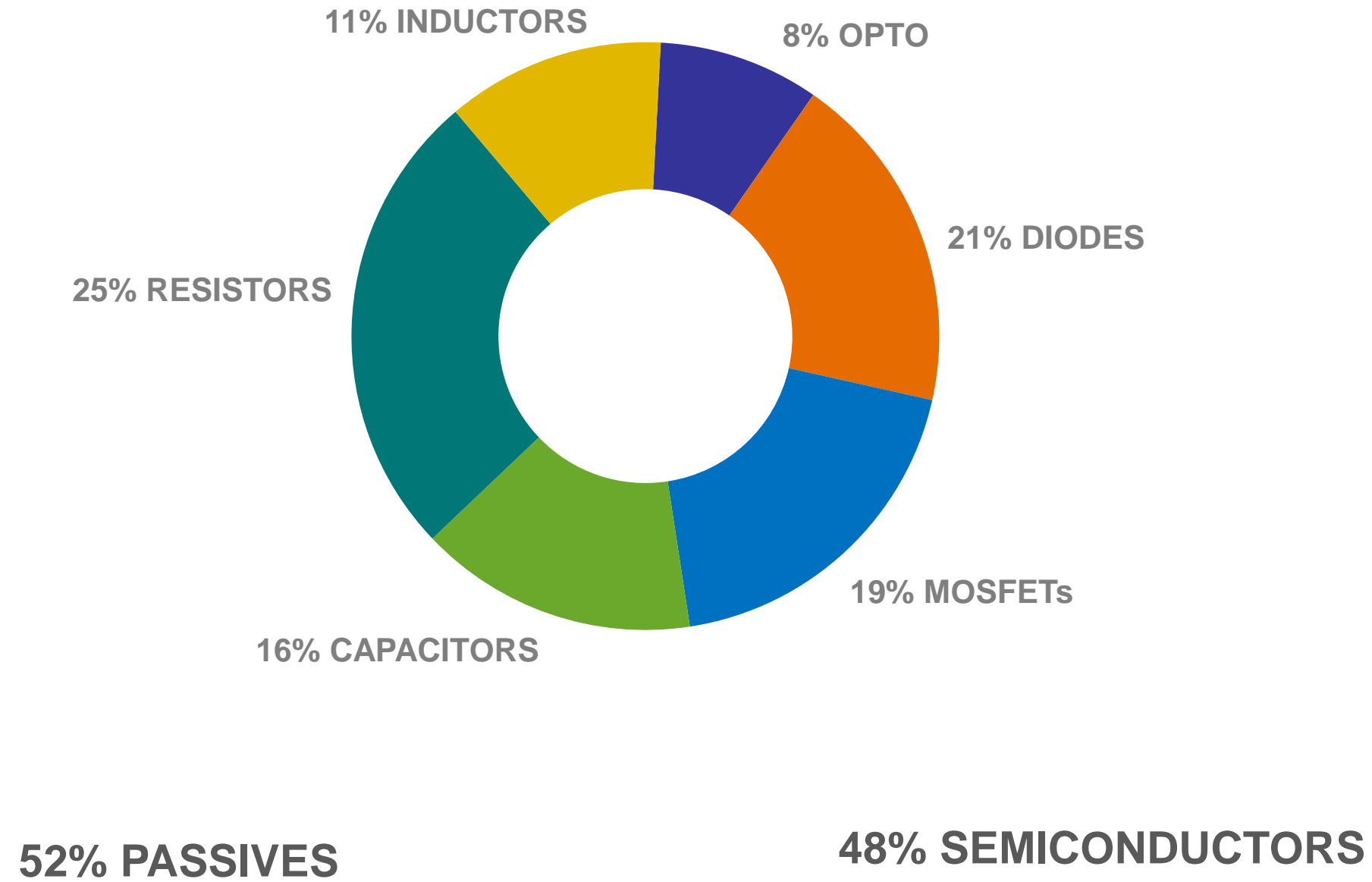
Measurements “excluding VPG” reflect the historical businesses which are still part of Vishay today. The Company spun-off VPG on July 6, 2010. While VPG does not qualify as a “discontinued operation” under GAAP, Management believes that certain evaluations “excluding VPG” are meaningful, particularly when evaluating growth and other performance metrics. Historical VPG data is reported as a separate operating segment in Vishay’s annual report on Form 10-K and its quarterly reports on Forms 10-Q during the periods it was included in Vishay’s consolidated financial statements: This discrete data is the basis to calculate any measurements “excluding VPG”. These measures do not have uniform definitions and accordingly, these measures, as calculated by Vishay, may not be comparable to similarly titled measures used by other companies. Such measures should not be viewed as alternatives to GAAP measures of performance or liquidity. However, Management believes such measures are meaningful to an evaluation of our business, as described above.



DRIVE STOCKHOLDER VALUE

- Intensified organic growth, supplemented by targeted acquisitions.
- Regular cash dividend program.
- Opportunistic stock buy-backs.
- Maintaining prudent capital structure.

BROAD PRODUCT PORTFOLIO



VISHAY REVENUES 2019



VISHAY TODAY

- Broad and competitive product and technology portfolio:
Solution provider and valuable partner for customers.
- Broad market penetration
 - Wide range of end markets.
 - Balanced geographic manufacturing footprint.
 - Right mix of sales channels.
- Contribution margin of 45% plus.
- Reliable generation of “free cash.”

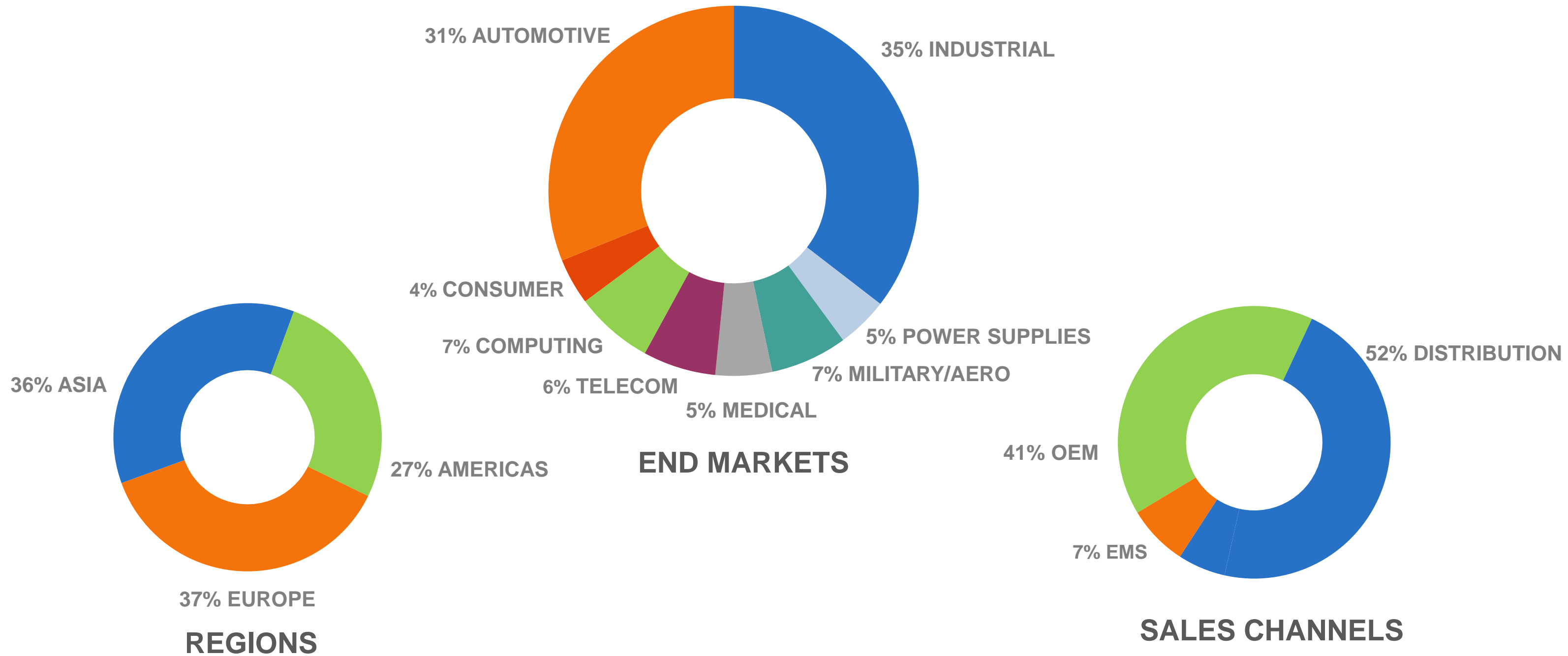


BROADEST LINE OF DISCRETE SEMICONDUCTORS AND PASSIVE COMPONENTS

	SEMICONDUCTORS						PASSIVE COMPONENTS					
	DIODES		MOSFETs		OPTO		CAPACITORS		RESISTORS		INDUCTORS	
	Rectifiers	Small Signal TVS/ESD	MOSFETs	Power ICs	IR Comp., Sensors	Opto-couplers	Aluminum, Ceramic	Power, Film, Tantalum	Film, Power	SMD Resistors	Variable, Sensors	Inductors, Magnetics
VISHAY	●	●	●	○	●	●	○	●	●	●	○	●
Bourns		○								○	●	●
Broadcom					○	●						
Cyntec								○	○			●
Diodes Inc.	●	○	○	●								
Infineon	○	○	●	●								
KOA								●	●			○
Kyocera/AVX	○						●	●				○
Murata							●				○	●
Nichicon							●	○			○	
Nexperia	○	●	○	●								
ON Semi	●	●	●	●	○	●						
Panasonic						○	●	●		●	○	●
Renesas	○	○	●	●		●						
Rohm	●	○	○	○	○			○		●		
Sharp					○	○						
ST Micro	●	●	●	○	○							
Taiyo Yuden							●					●
TDK/EPCOS							●	●			●	●
Toshiba	○	○	●	●	○	●						
Yageo/Kemet							●	●	○	●		●

Source: Company estimates ● = Major Position ○ = Minor Position

BROAD MARKET PENETRATION

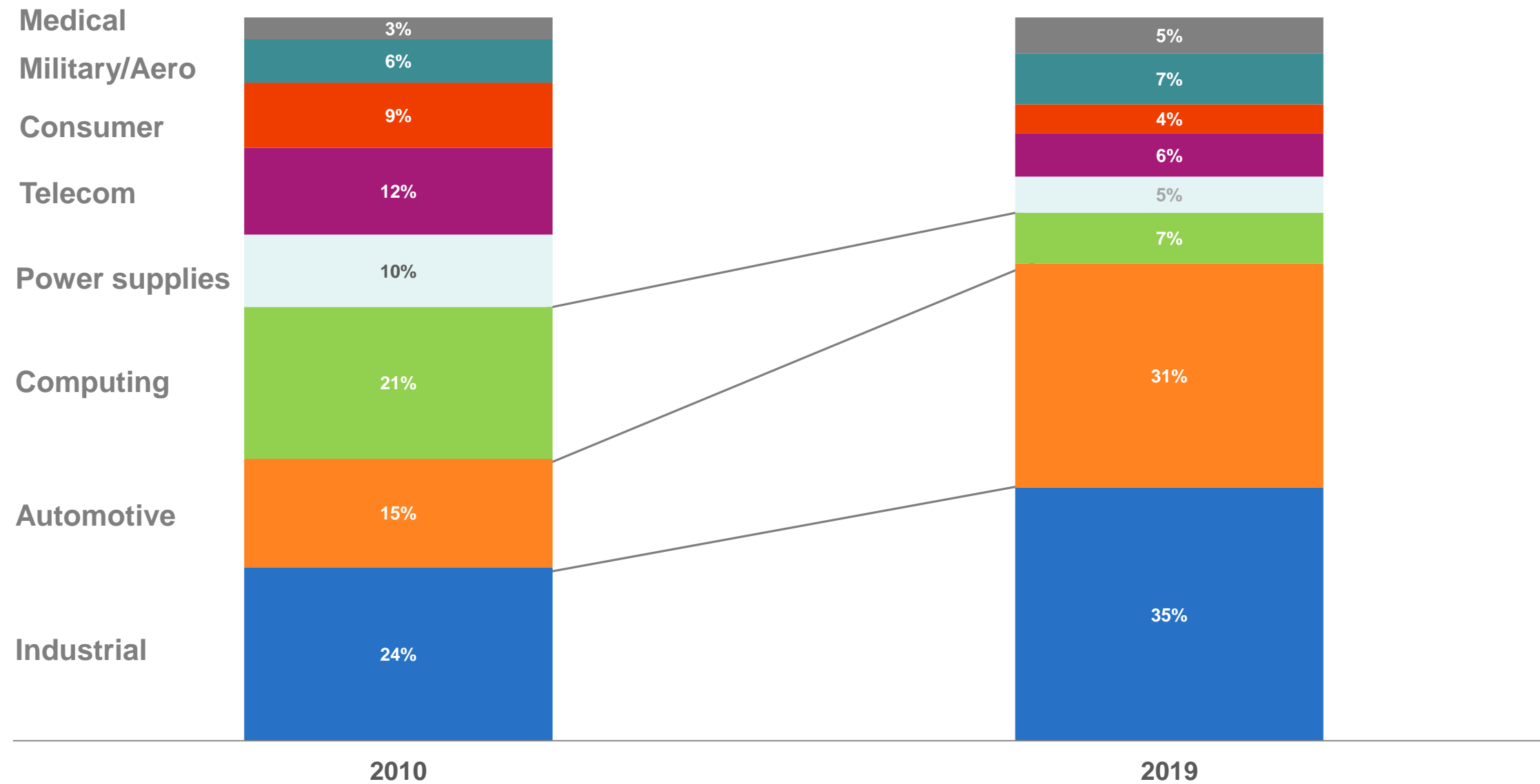


VISHAY REVENUES 2019



WELL-POSITIONED TO CAPITALIZE ON GROWTH MARKETS

REVENUE SPLIT BY END MARKET





BROAD CUSTOMER BASE

OEM



EMS

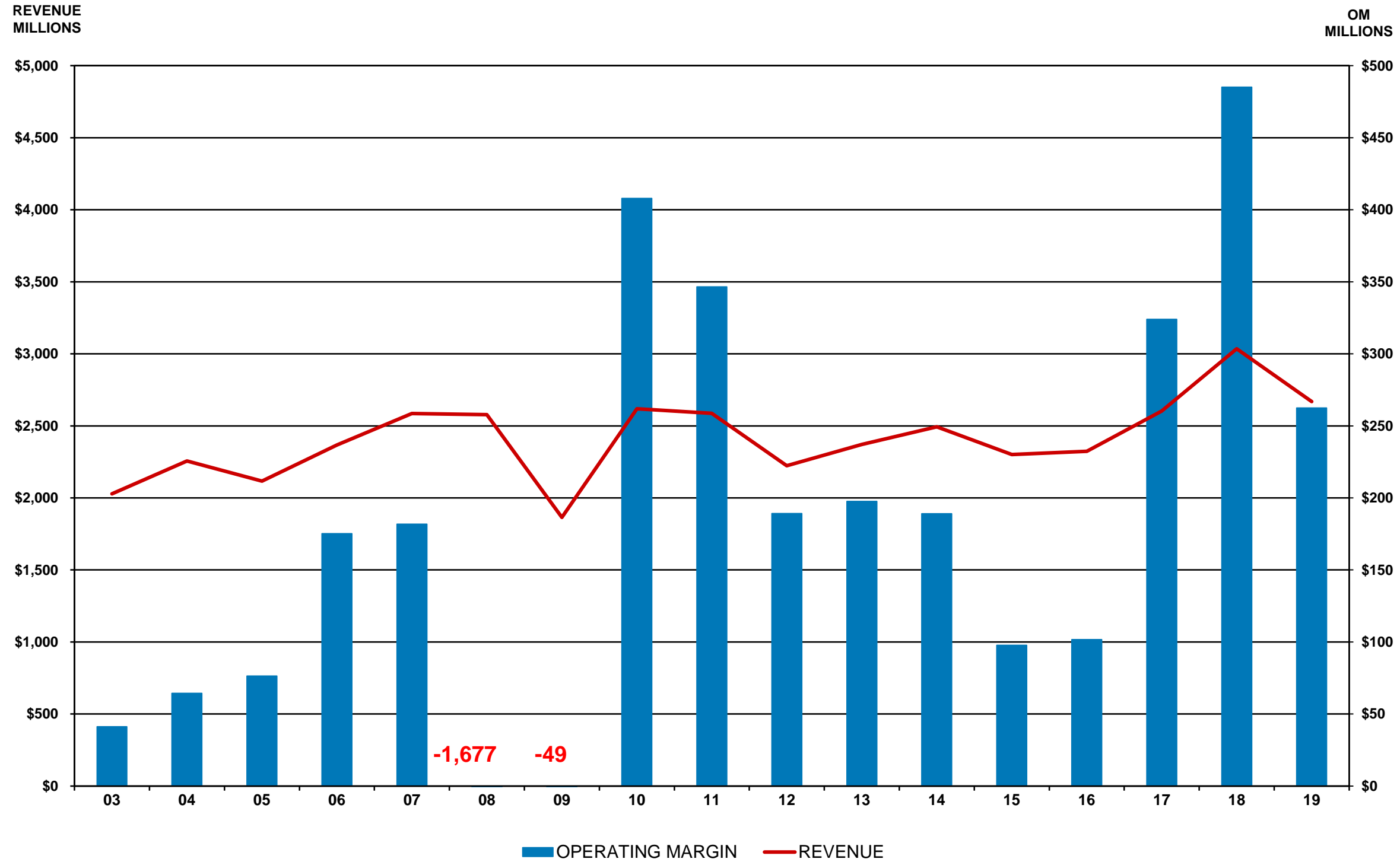


DISTRIBUTION





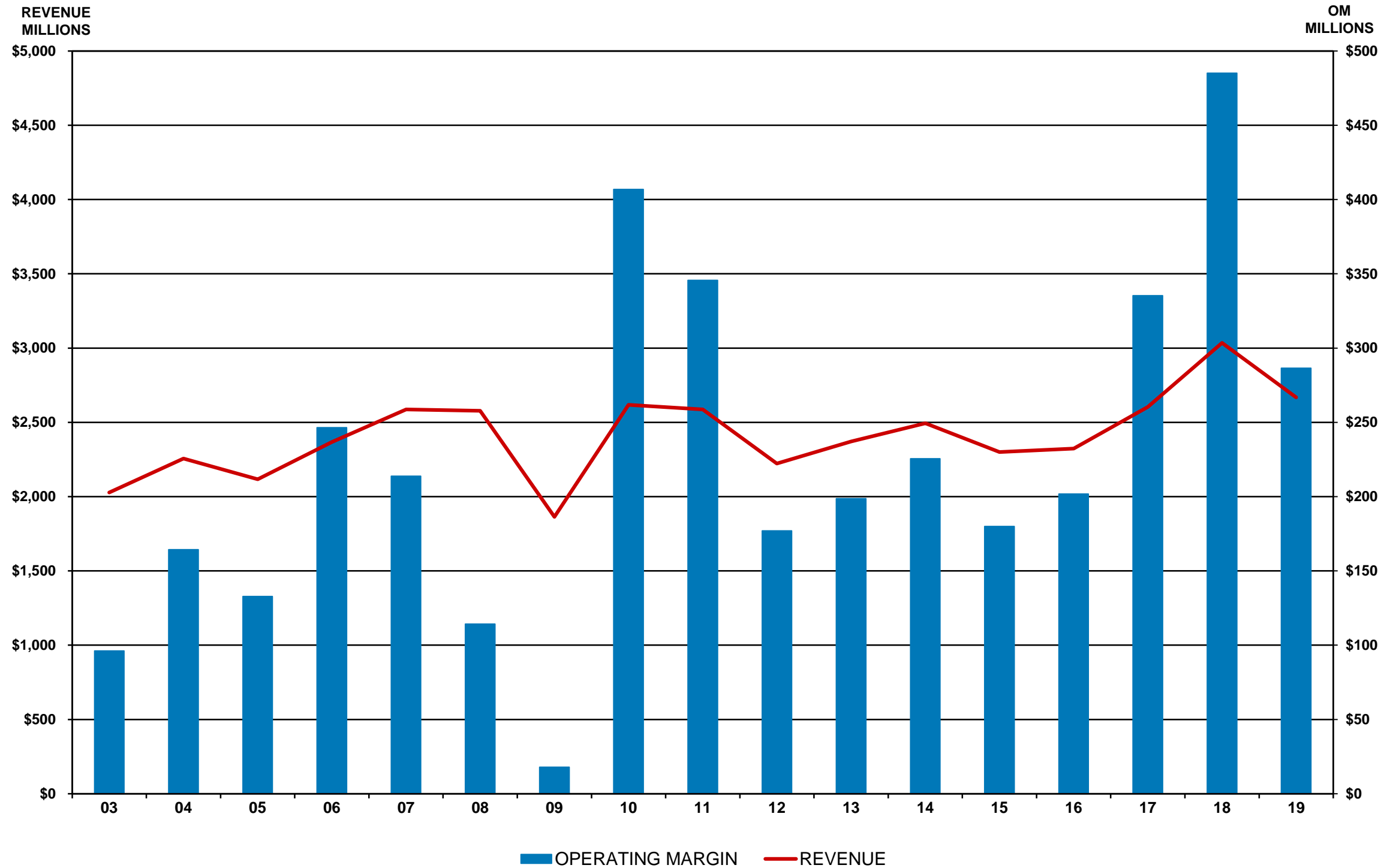
REVENUE AND GAAP OPERATING MARGIN¹



1) Excl. VPG spin-off in 2010.



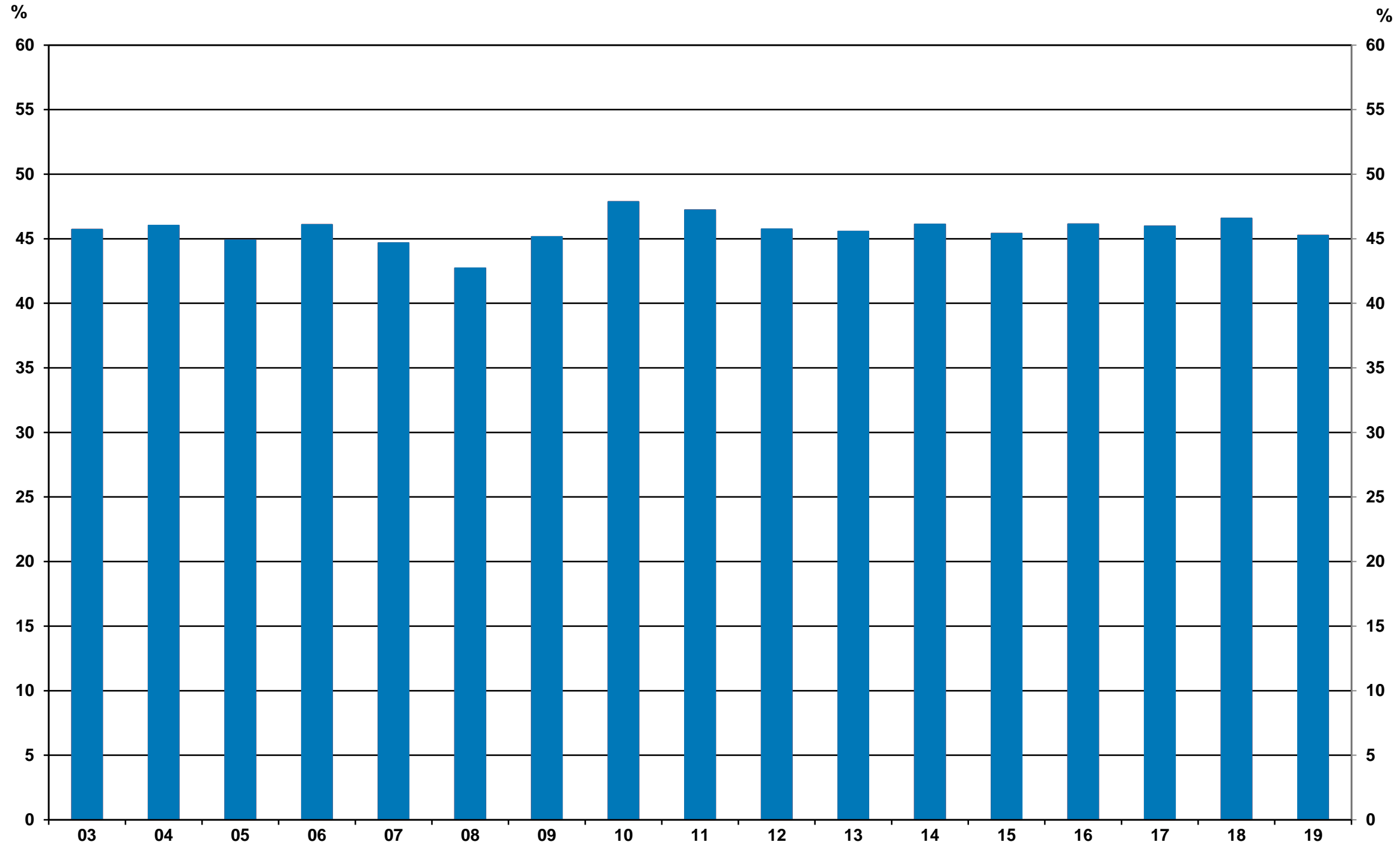
REVENUE AND ADJUSTED OPERATING MARGIN¹



1) Excl. VPG spin-off in 2010.



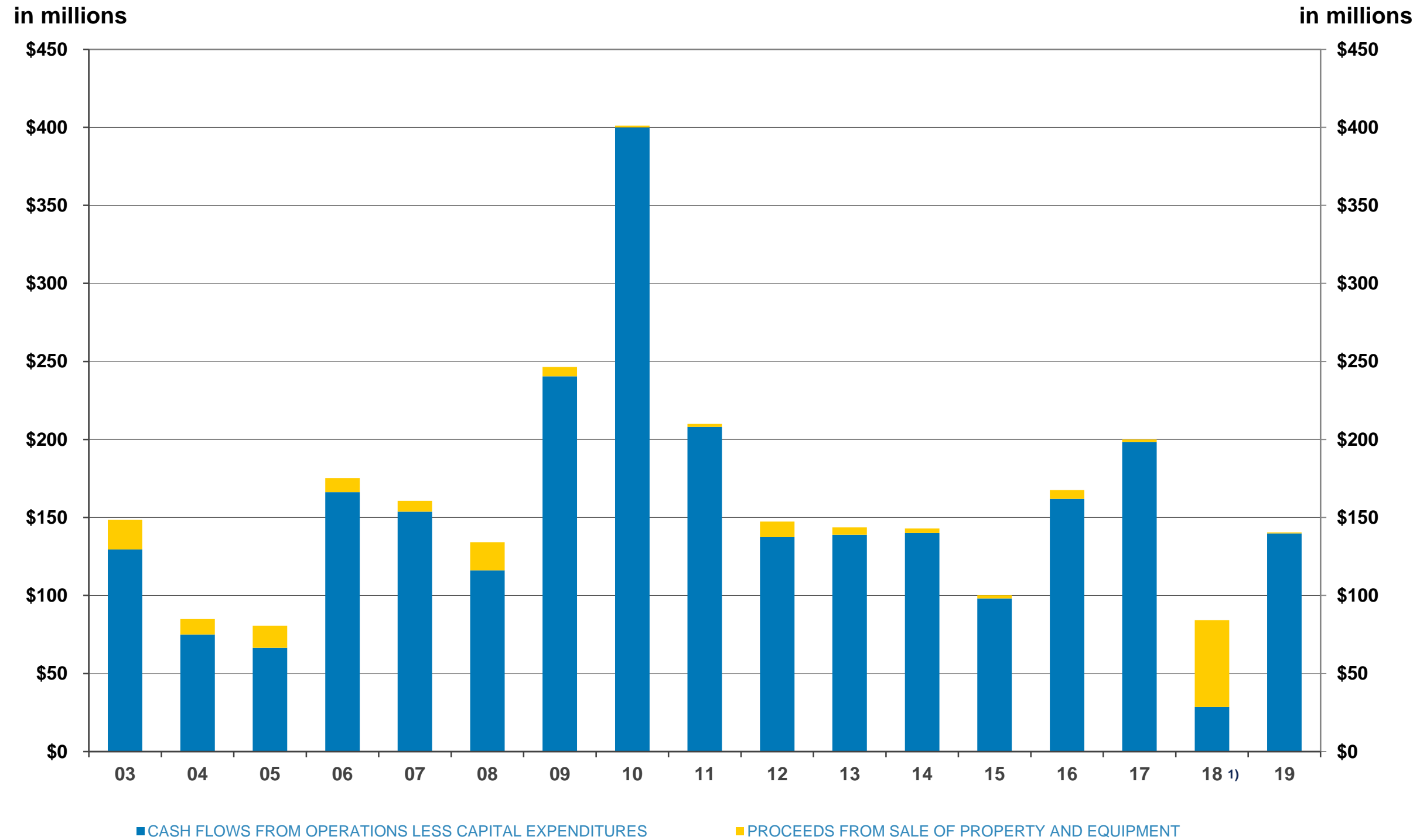
CONTRIBUTIVE MARGIN¹



1) Excl. VPG spin-off in 2010.



STRONG GENERATION OF FREE CASH



1) 2018 CASH FLOWS FROM OPERATIONS NEGATIVELY IMPACTED BY \$157 MILLION OF CASH TAXES RELATED TO CASH REPATRIATION



RECONCILIATION OF GAAP TO ADJUSTED¹

in millions USD	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2005	2006	2004	2003
Reconciling items affecting gross margin:																	
Loss on purchase commitments, Ta write-downs												6		16	(1)	17	18
Product quality claims														3			
Reconciling items affecting operating margin:																	
Restructuring and severance costs	24		11	19	19	21	3				36	57	15	38	27	46	29
Asset write-downs											1	5	4	7	11	27	1
U.S. pension settlement charges				79		16											
Executive compensation charges							(2)		6								
Settlement agreement gain											(28)						
Executive employment agreement charge											58						
Impairment of goodwill and indefinite-lived intangibles				2	63							1,629					
Terminated tender offer expenses												4					
Contract termination charge													19				
Siliconix transaction-related charges															4		
Purchased in-process R&D															10	2	
Environmental remediation														4			
Gain on sale of building								(12)				(5)	(3)				

1) Excl. VPG spin-off in 2010.



ANNUALIZED CASH DIVIDEND \$0.38

Enhancing stockholder value:

- Increased quarterly dividend by 12% to \$0.095 Q2 2019.
- Increased quarterly dividend by 26% to \$0.085 Q2 2018.
- Increased quarterly dividend by 8% to \$0.0675 Q4 2017.
- Increased quarterly dividend by 4% to \$0.0625 Q1 2016.
- Initiated quarterly cash dividend of \$0.06 in Q1 2014.

Future dividends are subject to Board approval.

STOCK BUYBACKS

- In 2017 spent \$39.9 million to repurchase 2.3 million shares.
- In 2016 spent \$23.2 million to repurchase 1.8 million shares.
- From 2010 – 2012 spent \$575 million to repurchase 44.3 million shares, financed with 2.25% coupon, 30-year convertible debentures.
 - In 2018 started to repurchase these converts.
 - As of end of Q2 2020 only \$3 million of face value still outstanding.



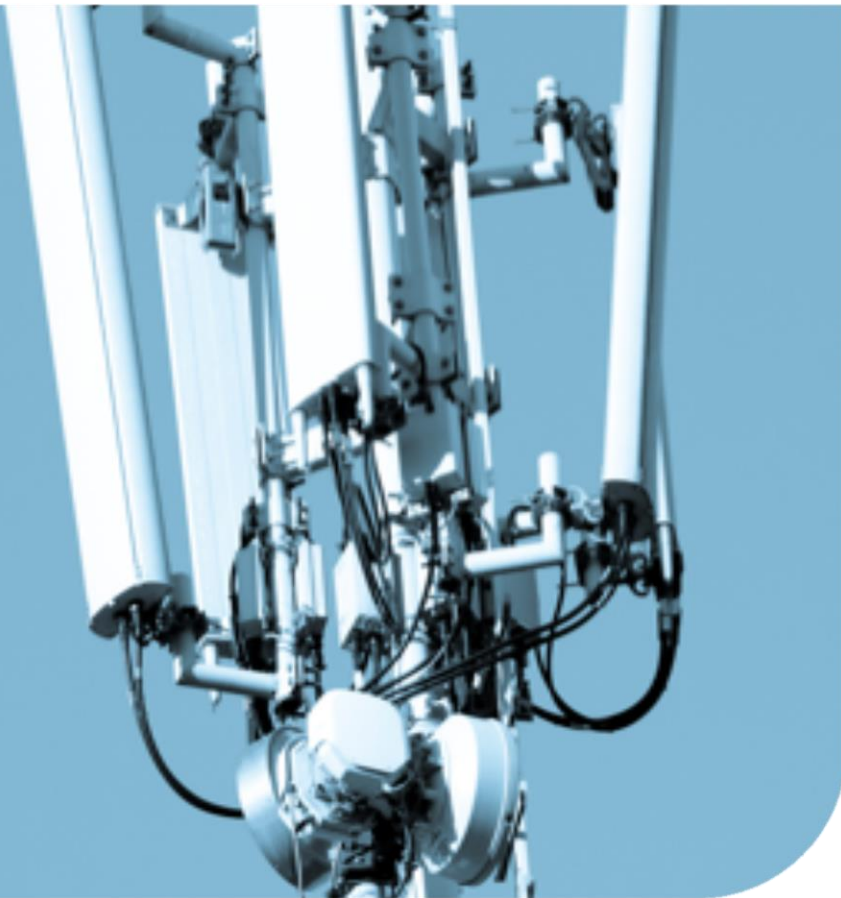
GROWTH DRIVERS

Vishay is well positioned to participate in the markets expected to show solid growth over the next years.

- Connectivity
- Mobility
- Sustainability

CONNECTIVITY 5G – NEXT-GEN WIRELESS PLATFORM

Good frequency response
High stability
Long life
Ultra precision



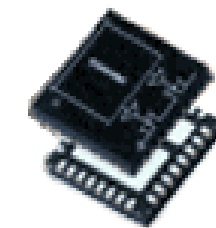
High frequency SMD resistors for impedance matching



High Q HIFREQ MLCCs for RF circuit tuning



Smart load switches



microBUCK® regulator ICs



Thin film SMD chips for high accuracy amplifiers



IHLP®, IHSR composite power inductors



Low profile, low ESR polymer tantalum capacitors



VRPower® DrMOS integrated power stages with current sensing

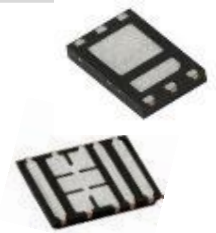


MOSFETs:
MICRO FOOT®,
ChipFET®,
PowerPAIR®, and
PowerPAK®

CONNECTIVITY GAMING CONSOLES



Low profile
High efficiency
Small solution size
High power density



PowerPAK[®] MOSFETs



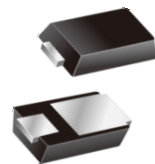
IHLP[®] inductors



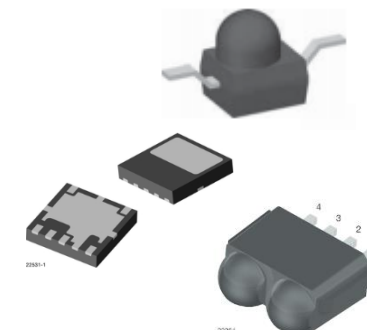
ESD protection diodes and arrays



TMBS[®] diodes



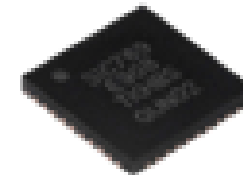
Diodes and rectifiers



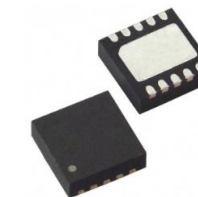
Optical sensors,
IR receivers and transmitters



Low profile, low ESR
polymer tantalum capacitors



VRPower[®] Integrated power
stage



Load switch with programmable
current limit and slow rate control

CONNECTIVITY TRUE WIRELESS STEREO – TWS



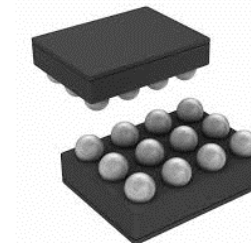
High efficiency
Small size
High sensitivity



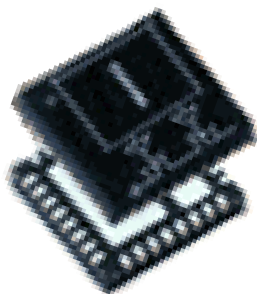
Proximity sensor with interrupt, VCSEL, and I²C interface



IHLP; IHHP, IFCS power inductors



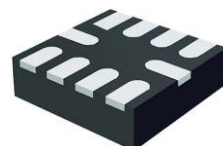
Ultra low Ron Bi-directional battery switches



microBUCK[®] regulator ICs



TMBS[®] diodes



Analog switches



MICRO FOOT[®] MOSFETs



CONNECTIVITY SERVER POWER



Best performance

Up to 1 MHz operation

Optimized concept

Skip-mode (SMOD)
function



TMBS[®] diodes



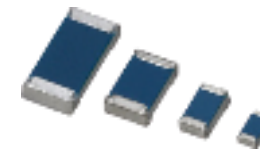
PowerPAK[®] 8x8 high voltage MOSFETs



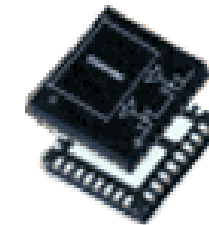
VRPower[®] integrated power stages



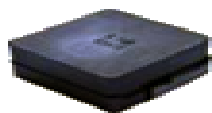
ENYCAP[™] EDLC capacitors for memory backup



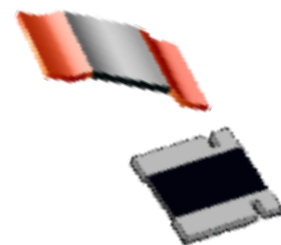
Thin film SMD resistors: ultra stable, low drift



microBUCK[®] regulator ICs



IHLP[®] power inductors

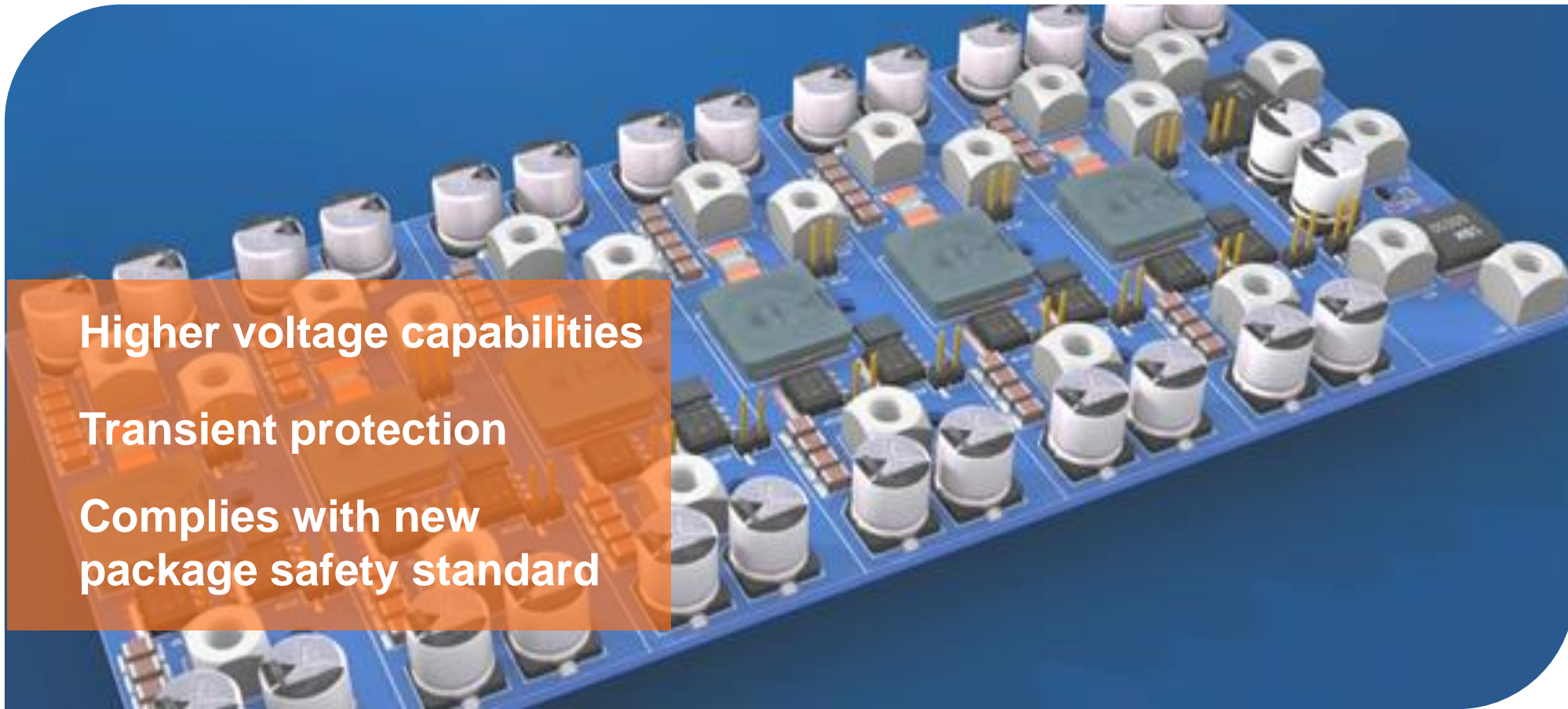


Power Metal Strip[®] current sense resistors

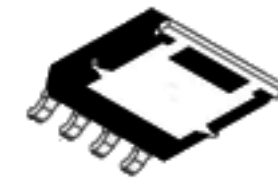


Low profile, low ESR, high CV vPolyTan[™] storage capacitors

MOBILITY 48 V / 12 V DUAL-VOLTAGE SOLUTIONS



Higher voltage capabilities
Transient protection
Complies with new package safety standard



PowerPAK[®] 8x8L MOSFETs



Customized filters and transformers



IHLP[®], IHTH power inductors



MKT1820 film capacitors for EMI filtering



Power Metal Strip[®] 4-terminal current sense resistors



SMPC Schottky: low V_F and ultra low ringing voltage



Surface-mount PAR[®] transient voltage suppressors

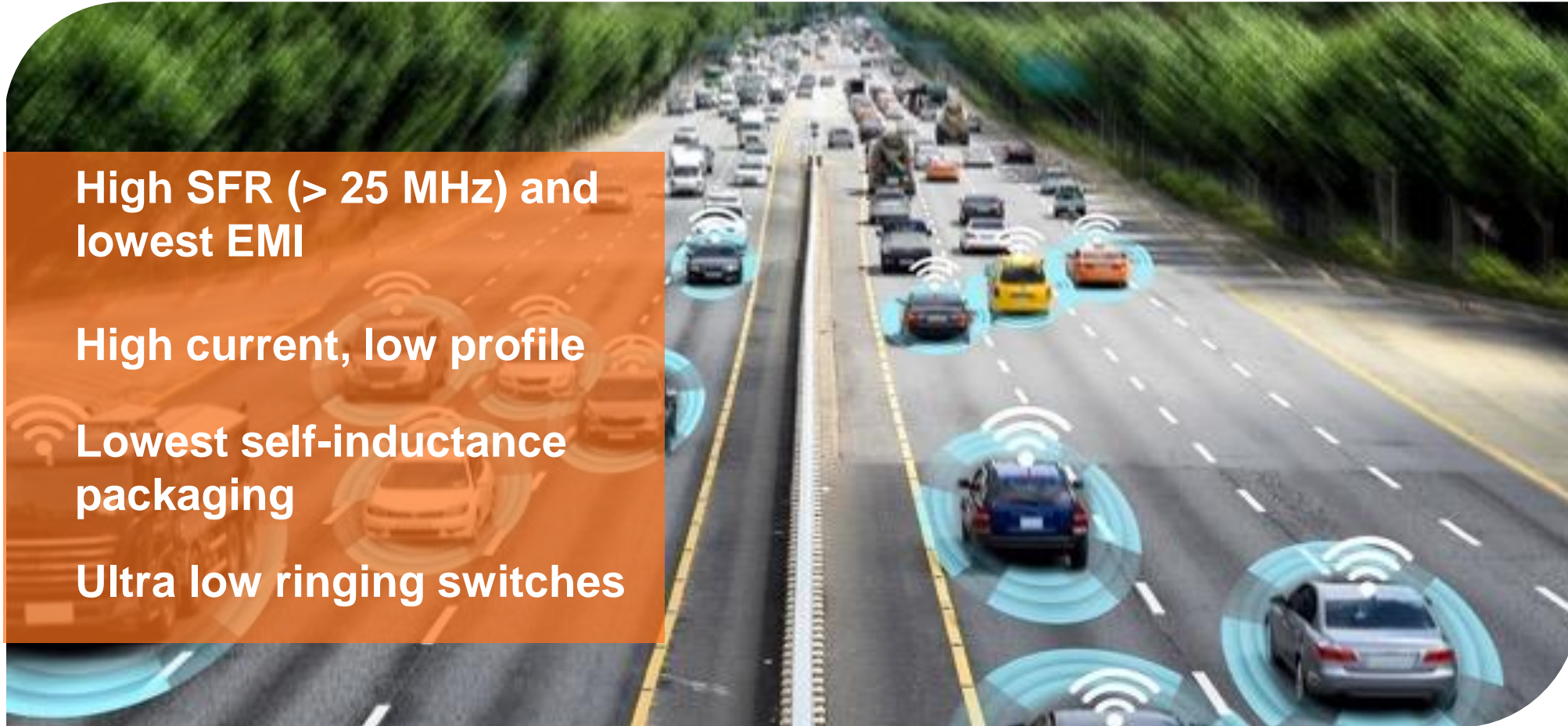


HCTF high current thermal fuses



Thin film MELF resistors as gate drivers

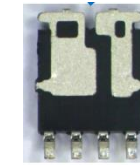
MOBILITY DRIVER ASSISTANCE AND INFORMATION



High SFR (> 25 MHz) and lowest EMI
 High current, low profile
 Lowest self-inductance packaging
 Ultra low ringing switches



IHLP® power inductors, size 1212 or 1616



Asymmetric MOSFETs



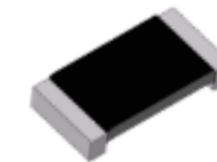
IR bulk emitters and SEDs



MicroSMP Schottky diodes



Chip resistor arrays



WSLP0603 shunt resistors

SUSTAINABILITY COLLABORATIVE ROBOTS



Long useful life

Robust design

High precision and stability

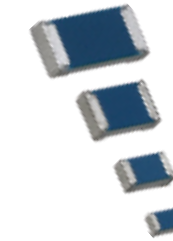
Safety approvals



Magnetic encoders, high accuracy, high resolution



Triple-channel transmissive optical sensors for “turn and push” encoding



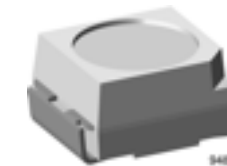
Pulse proof, high power thick film chip resistors



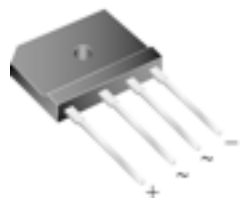
4.5 V to 60 V input, up to 10 A synchronous buck regulators



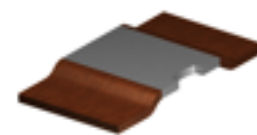
Power MOSFETs



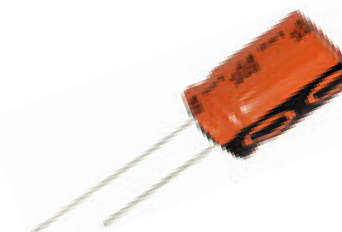
High power infrared emitting diodes, 940 nm, GaAlAs, MQW



Single-phase in-line bridge rectifiers



Power Metal Strip[®] resistors, low value (down to 0.001 Ω)

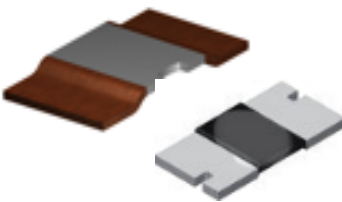


Ruggedized electrical double-layer energy storage capacitors

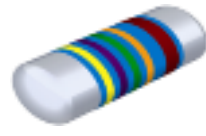
SUSTAINABILITY CORDLESS – POWER TOOLS



Long life, high reliability
High peak power
High current density



Power Metal Strip[®] resistors, low value (down to 0.001 Ω)



MELF resistors for gate driver and voltage sensing



Polymer tantalum



PowerPAK[®] 8x8L MOSFETs and reverse cooled



Rectifiers and diodes



IHLP[®] power inductors

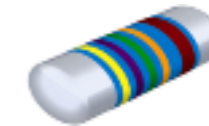


NTC thermistors and assemblies

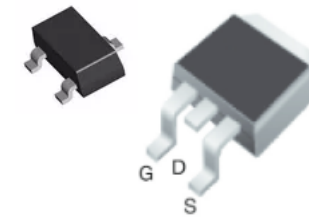
SUSTAINABILITY GRID QUALITY – CIRCUIT BREAKERS



Professional thin film resistors



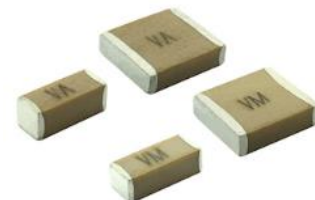
MELF resistors



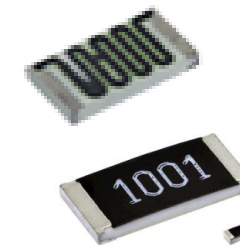
Low and High Voltage MOSFET's



Standard recovery rectifiers and Zener diodes



IEC 60384-14 approved ceramic capacitors



High voltage and high power thick film resistors



Power inductors and monolithic chip inductors



Optocouplers, power phototriacs

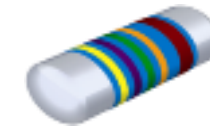
SUSTAINABILITY SMART GRID – POWER METERS



Long life, high reliability
Safety approvals
Custom designs



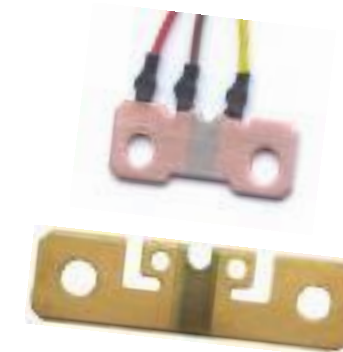
IR receivers, detectors, and emitters



MELF resistors



Optocouplers and solid state relays



Power Metal Strip[®] current sense resistors



Aluminum and EDLC boost and storage capacitors



Interference suppression film capacitors



TARGETS AND PROJECTIONS

A **WORLD OF**
SOLUTIONS™





GOALS

- Increase EPS
 - Organic growth.
 - Acquisitions.
- Focus on maintaining prudent financial structure.

Concrete Growth Plan built business by business from the bottom up.

DRIVE ORGANIC GROWTH

Strong organic growth strategy

**Focused development
of new products &
technologies**

**Ensure product
availability for key
product lines during
demand spikes**

**Asia Growth Plan:
Improve market
penetration mainly in
industrial and auto
segments**



1. FOCUSED DEVELOPMENT OF NEW PRODUCTS

Focus areas of new product development:

- MOSFETs: new platforms in all voltage ranges, extension of automotive offerings and new packages incl. bond wireless.
- New generation DrMOS, e-Fuse, and smart power stages.
- New generation Trench Schottky diodes, new packages.
- New power modules for automotive – EV markets.
- Broadening further range of custom magnetics and power inductors.
- Extended ranges of shunt resistors, precision and power resistors.
- Many new optical, temperature, current and position sensors.
- High voltage and Hi-Rel polymer tantalum and ceramic capacitors.
- Customized DC-link film capacitors.
- Continued extension of double layer (EDLC) capacitor range.



2. ENSURE PRODUCT AVAILABILITY FOR KEY PRODUCT LINES

Get ahead of demand curve for Vishay's strategic growth products to ensure sufficient capacity during demand spikes.

- New generation diodes and MOSFETs (all voltage ranges).
- Semiconductor automotive smaller and lower profile Packages.
- Load dump TVS diodes, surface mount rectifiers.
- High-current power inductors.
- High power film capacitors.
- Shunt, MELF and thin film chip resistors.



3. ASIA GROWTH PLAN: IMPROVE MARKET PENETRATION IN INDUSTRIAL AND AUTO

Leverage in Asia Vishay's strength in automotive and industrial, in addition to the traditional Asian focus markets, computing and consumer:

- Transportation—automotive (local customers), trains.
- Energy—infrastructure, wind and solar, oil exploration.
- Equipment and instrumentation.

By a strong technical sales force in Asia with focus on China.

13% CAGR for Automotive in Asia 2012 – 2019.



ASSUMPTIONS

- Stable economic environment.
- ASP decline per year for Vishay's products:
 - Passives 0% - 3%
 - Semis 3% - 5.5%,
product line specific.
- Inflation rates for salaries, wages and overhead:
 - 1.5% - 9.0%, location specific.
- Stable FX rates.

OPERATIONAL PARAMETERS

- Contributive margin at historical levels of 45%+
 - As consequence of price decline, cost reduction and mix development by specific product line.
 - Proven track record for last 10+ years of 45%+ margin.

- Fixed cost increases per year:
 - Selling, R&D and engineering costs $\leq 3\%$
 - G&A and manufacturing fixed costs $\leq 2\%$
 - Depreciation & Amortization $\leq 1\%$

SUPPLEMENT ORGANIC GROWTH WITH ACQUISITIONS

- Three types of small to mid-size acquisitions targeted:
 - Synergetic.
 - Specialty.
 - Closing technological gap.
- Cash payback incl. restructuring of < 8 years.
- Accretive to earnings in less than 12 months.



IN SUMMARY

- Grow at least with the market with CAGR of revenues of between 3% and 6%.
- Grow net income with CAGR of 10% to 20%.
- Maintain prudent capital structure.
- Continued strong generation of cash available to enhance stockholder value.



FINANCIALS AND METRICS

Q2 2020





HIGHLIGHTS Q2 2020

- Revenues Q2 of \$582 million
- Gross margin Q2 of 22.5%; adjusted gross margin 22.6%
- Operating margin Q2 of 7.0%; adjusted operating margin 7.2%
- EPS Q2 of \$0.17; adjusted EPS \$0.18
- Free Cash¹ for the trailing 12 months Q2 of \$151 million
- Repurchased \$75.8 million principal amount of convertible notes due 2025, at approximately 93% of face value, to provide flexibility to adjust future debt levels as necessary
- Guidance Q3 of revenues \$580 to \$620 million and gross margins of 22.8% plus/minus 70 basis points assuming a USD/EUR exchange rate of 0.87

1) CASH FLOWS FROM OPERATIONS LESS CAPITAL EXPENDITURES PLUS PROCEEDS FROM SALE OF PROPERTY AND EQUIPMENT



QUARTERLY FINANCIAL RESULTS

in millions, except per share amounts	Q2 2020	Q1 2020	Q2 2019
Net revenues	\$582	\$613	\$685
Gross profit	\$131	\$147	\$175
	22.5%	24.0%	25.5%
Operating income	\$41	\$47	\$79
	7.0%	7.7%	11.6%
Net earnings attributable to Vishay stockholders	\$25	\$27	\$44
Weighted average shares outstanding for EPS	145	145	145
EPS	\$0.17	\$0.19	\$0.31
EBITDA	\$78	\$84	\$118
	13.4%	13.8%	17.2%



ADJUSTED QUARTERLY FINANCIAL RESULTS

in millions, except per share amounts	Q2 2020	Q1 2020	Q2 2019
Net revenues	\$582	\$613	\$685
Gross profit	\$132	\$150	\$175
	22.6%	24.5%	25.5%
Operating income	\$42	\$51	\$79
	7.2%	8.3%	11.6%
Net earnings attributable to Vishay stockholders	\$26	\$31	\$52
Weighted average shares outstanding for EPS	145	145	145
EPS	\$0.18	\$0.21	\$0.36
EBITDA	\$80	\$91	\$118
	13.7%	14.8%	17.2%



RECONCILIATION OF GAAP TO ADJUSTED

in millions	Q2 2020	Q1 2020	Q2 2019
GAAP NET EARNINGS attributable to Vishay stockholders	\$25	\$27	\$44
<u>Reconciling items affecting gross profit</u>			
Impact of the COVID-19 outbreak	\$1	\$3	-
<u>Other reconciling items affecting operating income</u>			
Restructuring and severance costs	\$1	-	-
Impact of the COVID-19 outbreak	(\$1)	\$0	-
<u>Reconciling items affecting other income (expense)</u>			
Loss on early extinguishment of debt	\$1	\$3	-
<u>Reconciling items affecting tax expense (benefit)</u>			
Change in deferred taxes due to early extinguishment of debt	-	(\$1)	-
Effects of tax-basis foreign exchange gain	-	-	\$8
Effects of cash repatriation program	(\$0)	-	(\$0)
Tax effects of pre-tax items above	(\$1)	(\$1)	-
ADJUSTED NET EARNINGS attributable to Vishay stockholders	\$26	\$31	\$52



LONG TERM DEBT

as of July 4, 2020

in millions	Outstanding Debt	Comments	Interest
Long term incl. current portion	\$438.5		
Revolving Debt up to \$750 million	-	Available through June 5, 2024	LIBOR plus 1.50%
Convertible Debt Instruments, due 2025, 2040 and 2041	\$452.4	\$527 million principal amount; debt discount of \$75 million amortized to income statement as additional non-cash interest \$524 million due 2025 \$3 million due 2040 and 2041	Cash coupon 2.25% of principal or \$12 million annually GAAP interest expense, incl. amort. of discount, \$25 million annually
Deferred financing costs	(\$13.9)		



BOOK-TO-BILL DETAIL

	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
Book-to-bill Vishay	0.82	1.17	0.94	0.72	0.69
Book-to-bill distribution	0.75	1.30	0.94	0.55	0.55
Book-to-bill OEMs	0.93	1.04	0.95	0.90	0.86
Book-to-bill semiconductors	0.81	1.27	0.95	0.60	0.56
Book-to-bill passive components	0.83	1.08	0.94	0.83	0.81
Book-to-bill Americas	0.81	1.08	1.03	0.76	0.72
Book-to-bill Asia	0.86	1.29	0.96	0.64	0.57
Book-to-bill Europe	0.78	1.13	0.88	0.78	0.79



OPERATIONAL METRICS

	Q2 2020	Q1 2020	Q4 2019	Q3 2019	Q2 2019
Change in ASP vs. prior year total Vishay	(2.7)	(2.9)	(3.0)	(1.9)	(0.6)
Change in ASP vs. prior year semis	(4.5)	(5.0)	(5.9)	(4.3)	(1.9)
Change in ASP vs. prior year passives	(0.9)	(0.9)	(0.2)	0.5	0.6
FX effect on revenues vs. previous quarter	(\$0)	(\$1)	(\$6)	(\$2)	(\$3)
Backlog at quarter end	\$914	\$1,005	\$911	\$935	\$1,127
Backlog in months	4.7	4.9	4.5	4.5	4.9



SHARECOUNT FOR EPS CALCULATION

	in million
Total shares outstanding	145
Related to RSUs etc.	< 1

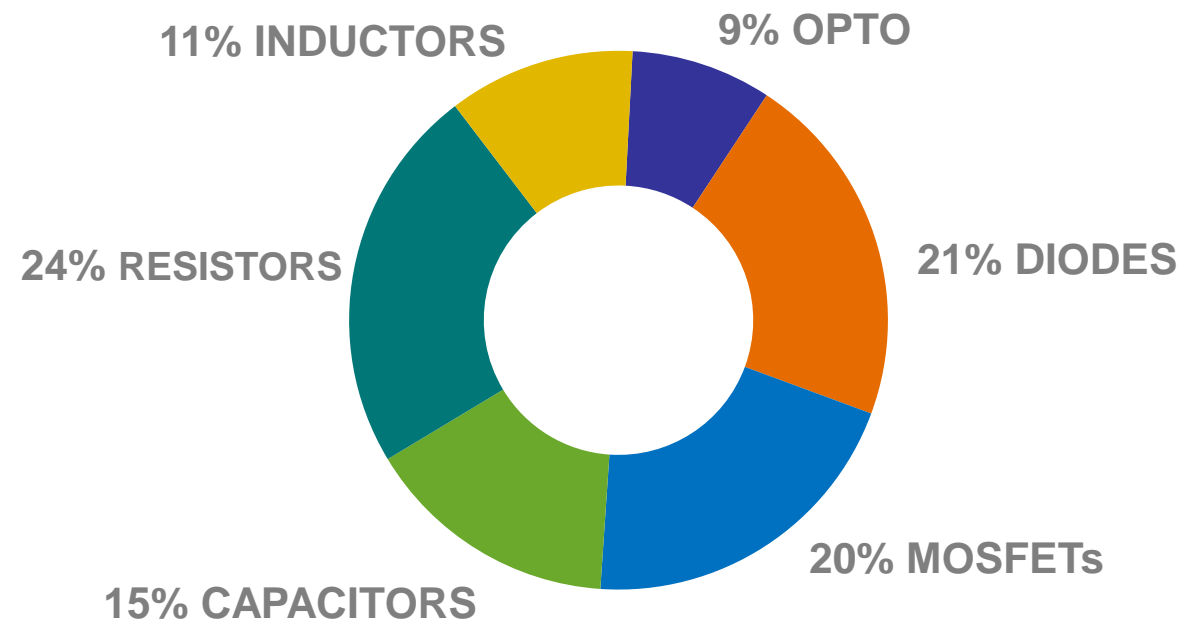
Average Stock Price	Projected Diluted Shares
<\$32.00	145
\$32.00 - \$33.00	146
>\$33.00	147

The table above summarizes the approximate number of shares for diluted EPS calculation.

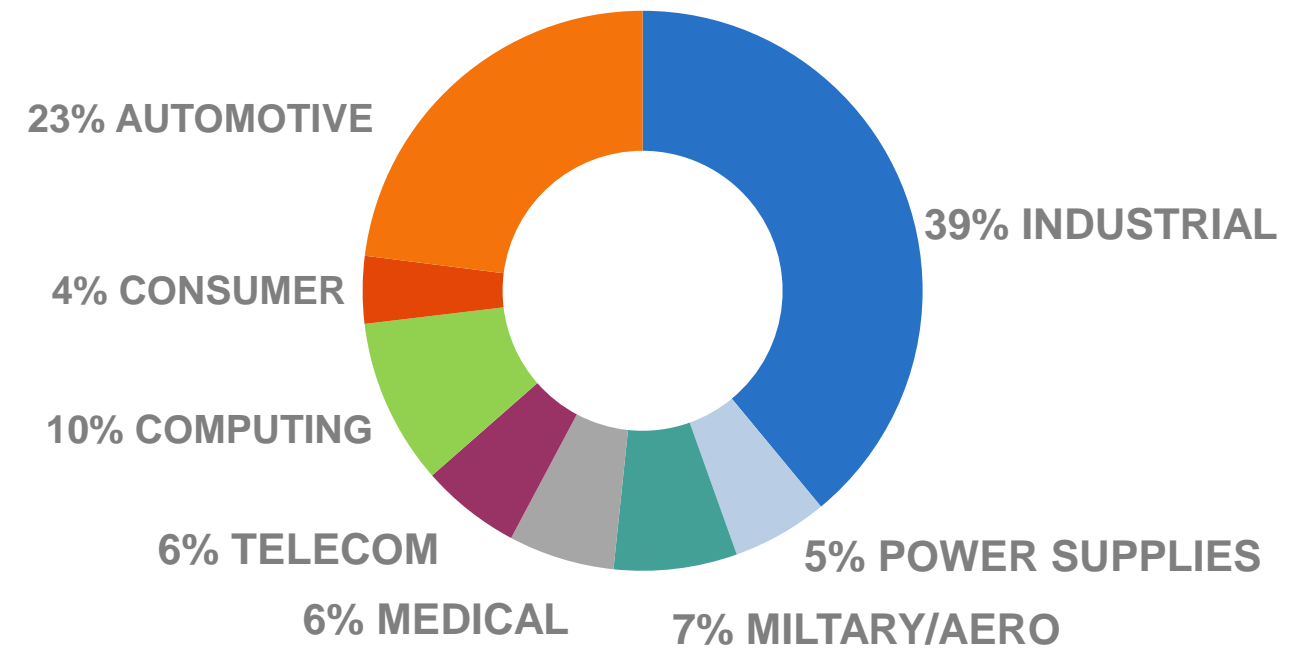
See Item 7.01 of current report on Form 8-K filed with the Securities and Exchange Commission on August 4, 2020 for additional important information about the parameters which impact the computation of shares expected to be used in the diluted EPS computation.



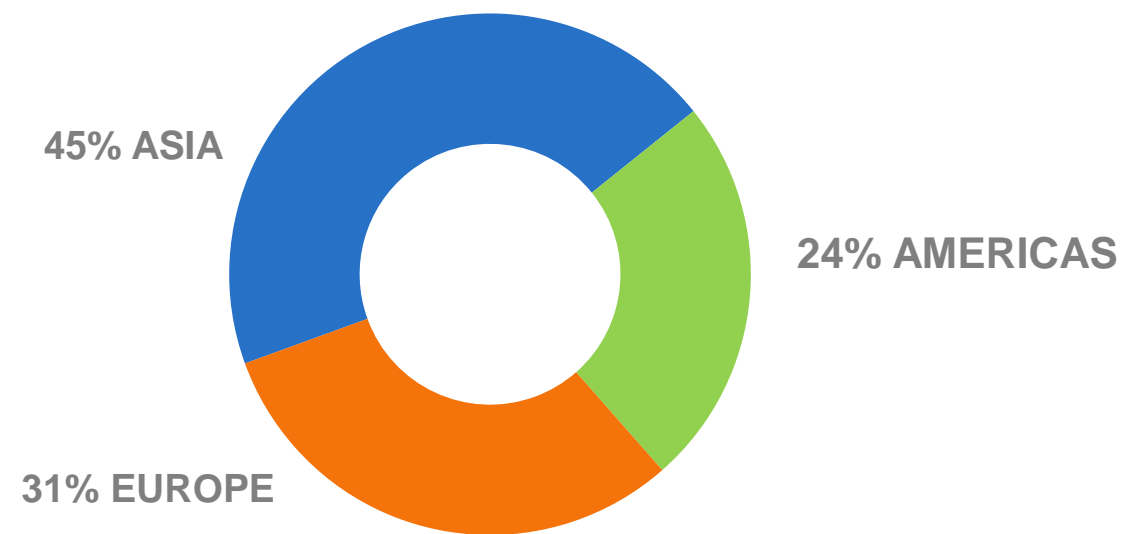
SALES SPLIT Q2 2020



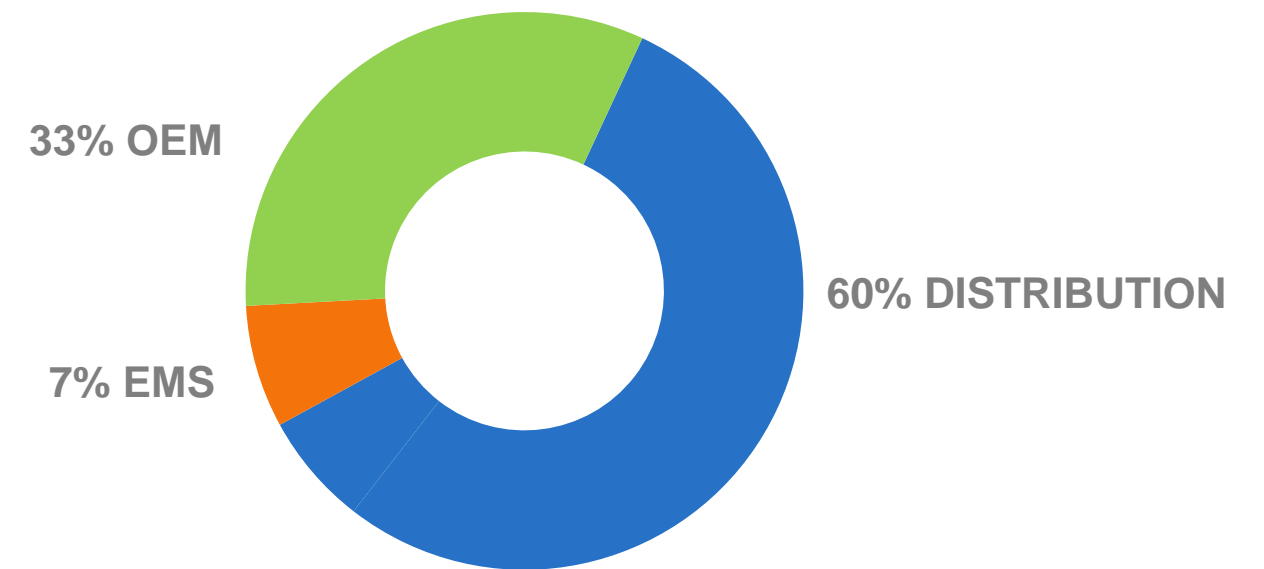
BUSINESS SEGMENTS



END MARKETS



REGIONS

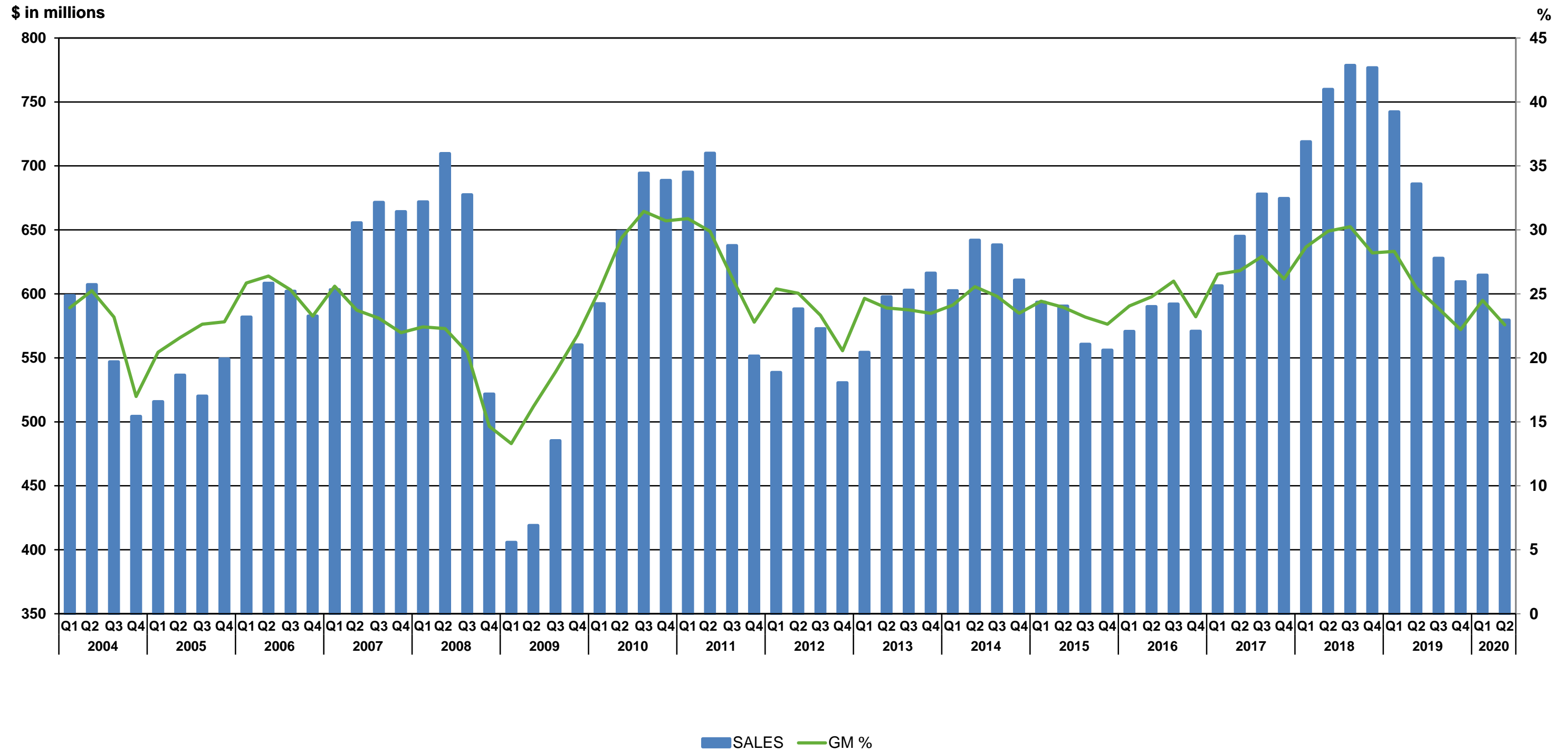


SALES CHANNELS



VISHAY REVENUES AND GROSS MARGIN % QUARTERLY

excl. Spin-Off Vishay Precision Group in 2010





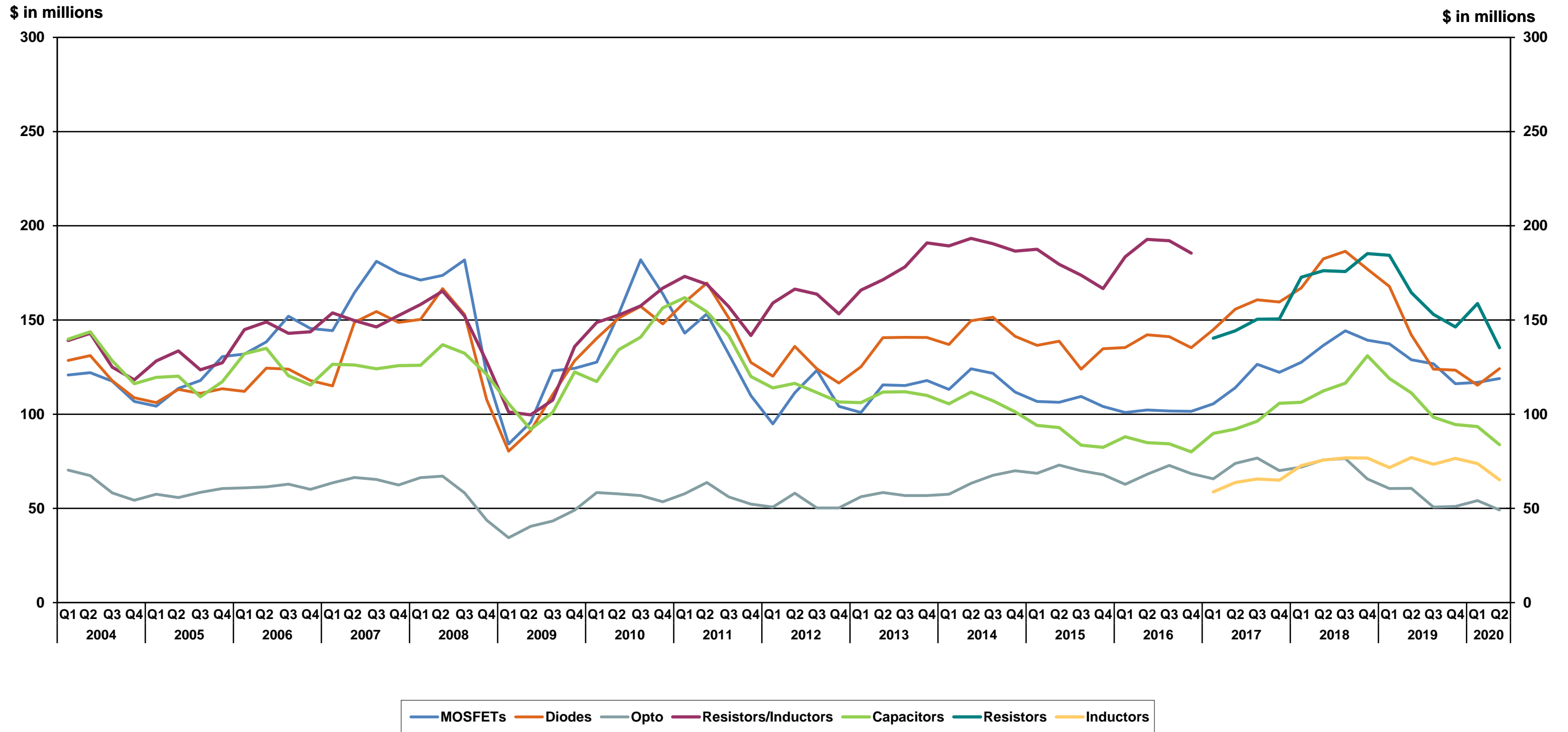
VISHAY REVENUES AND GROSS MARGIN % YEARLY

excl. Spin-Off Vishay Precision Group in 2010



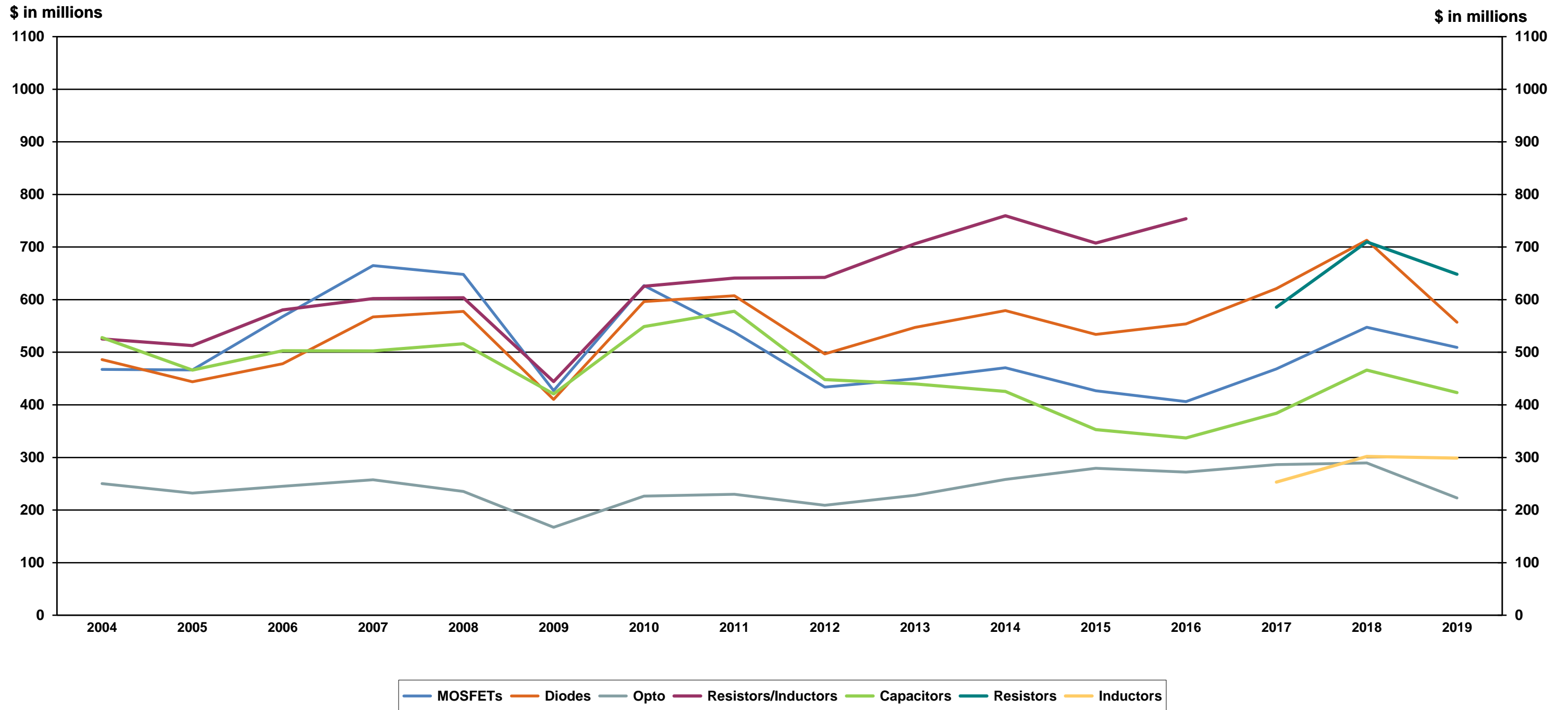


VISHAY REVENUES QUARTERLY BY PRODUCT SEGMENT



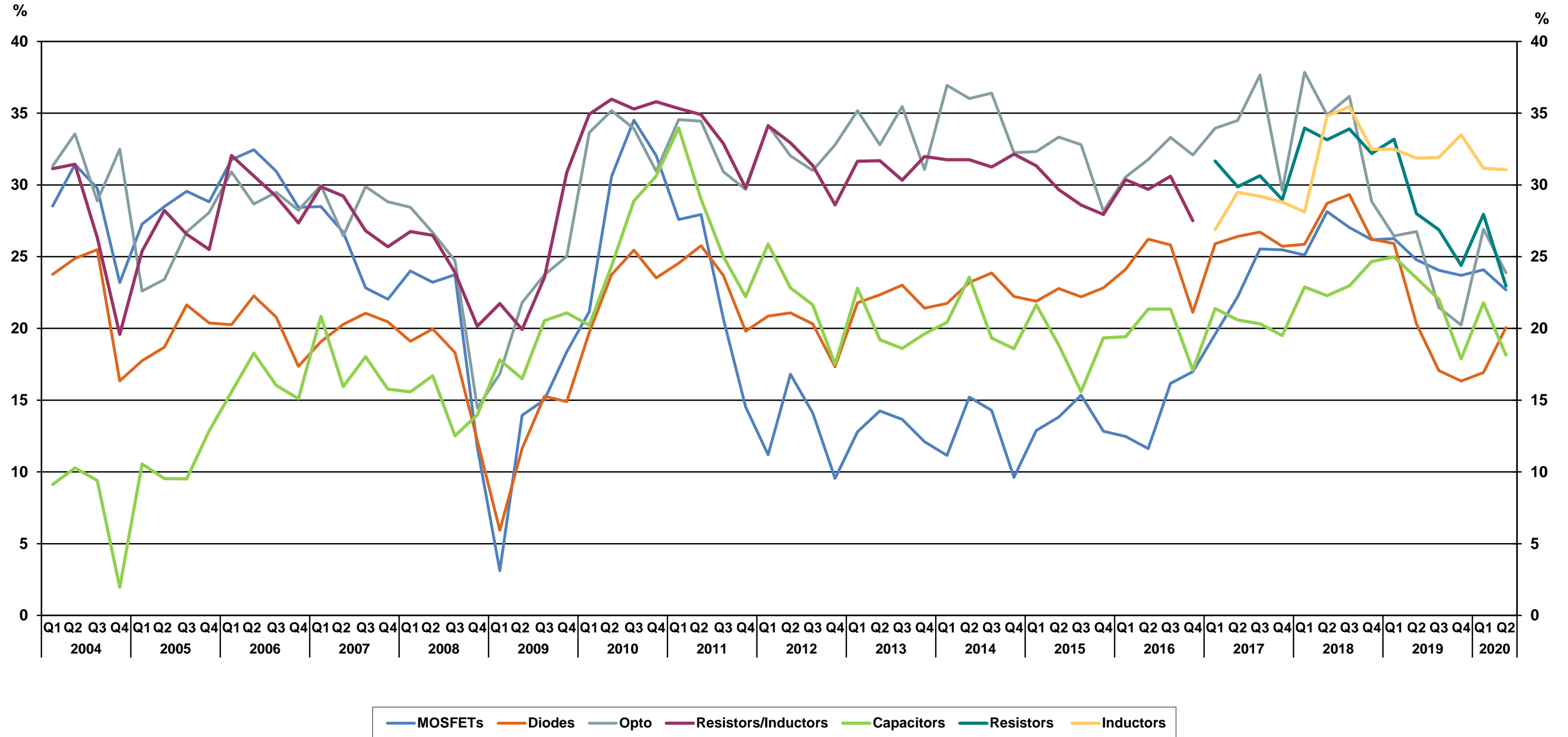


VISHAY REVENUES YEARLY BY PRODUCT SEGMENT





VISHAY GROSS MARGINS QUARTERLY BY PRODUCT SEGMENT





VISHAY GROSS MARGINS YEARLY BY PRODUCT SEGMENT

