HOW TO ORDER CUSTOM DRAWING

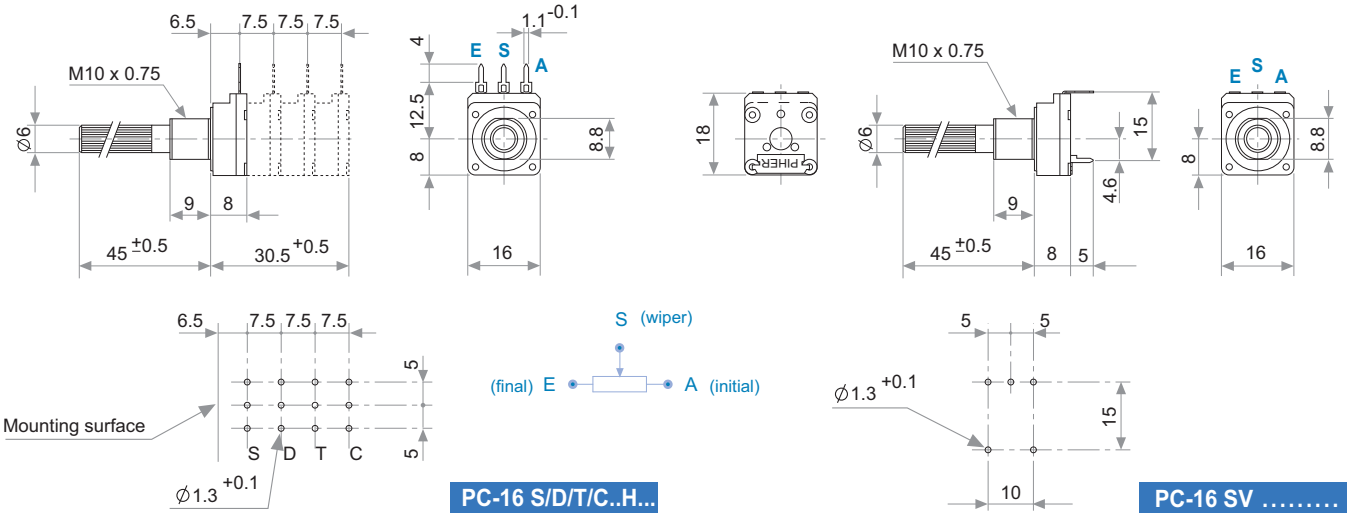
PC-16 S V + DRAWING NUMBER (Max. 16 digits)

This way of ordering should be used for options which are not included in the "How to order" standard and optional extras.

STANDARD OPTIONS

Shaft length ..... 0 Standard Length
Mounting brackets ..... Without mounting brackets
Stereo matching ..... Only on request (see note 8)
Switch ..... No switch
Nut & washer ..... Without nut and washer

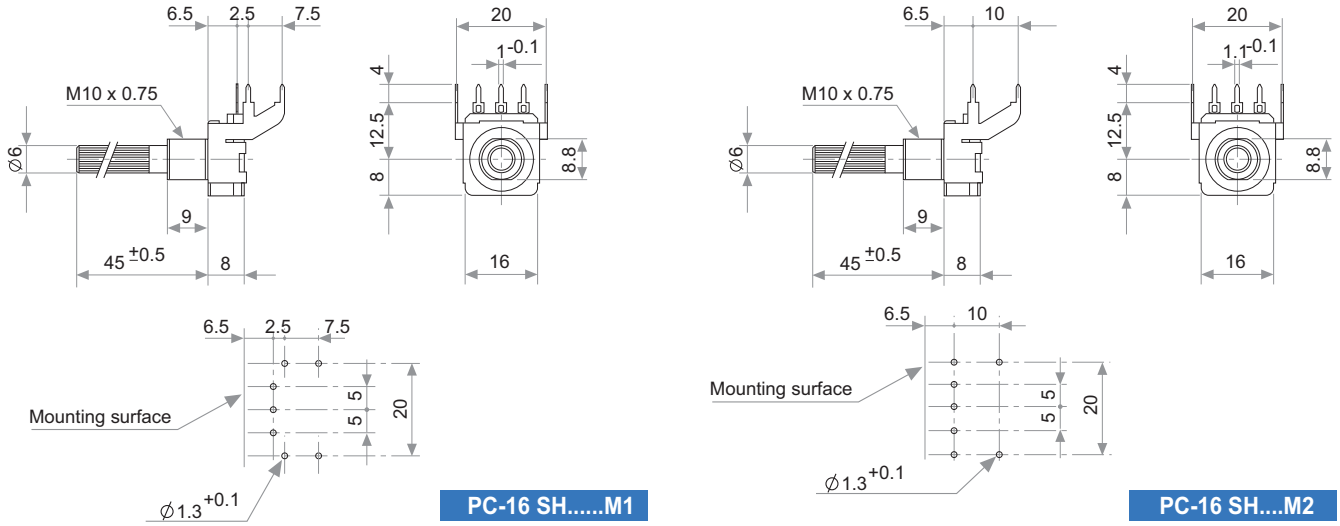
MODELS



PC-16 S/D/T/C..H...

PC-16 SV .....

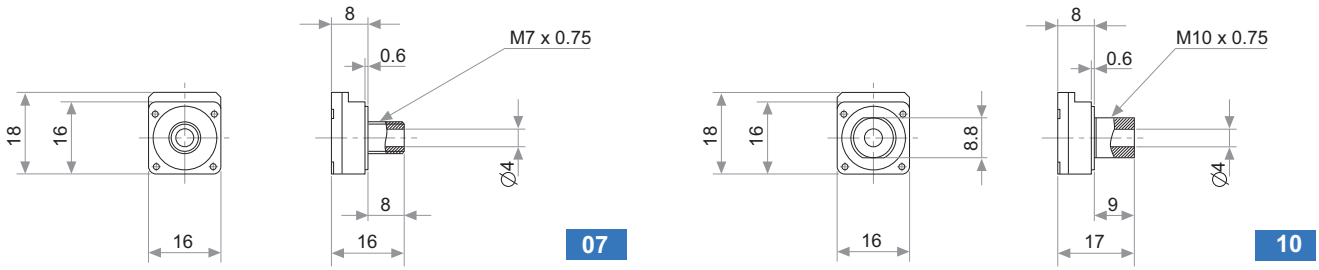
METALLIC SUPPORT



PC-16 SH.....M1

PC-16 SH....M2

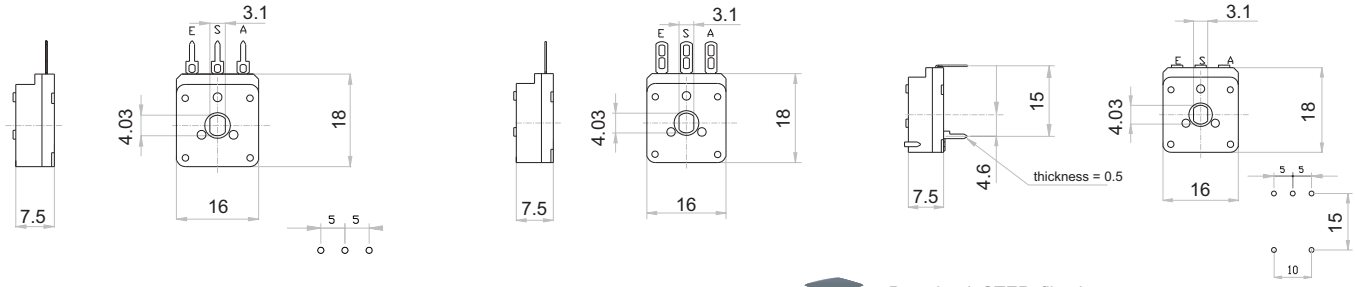
BUSHINGS



07

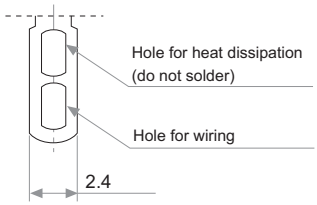
10

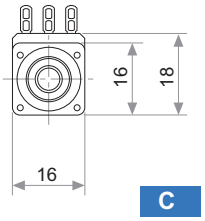
EXAMPLES OF BUSHLESS VERSION



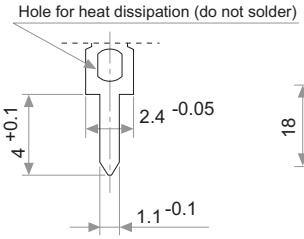
Download STEP files here:
https://piher.net/piher/?p=938

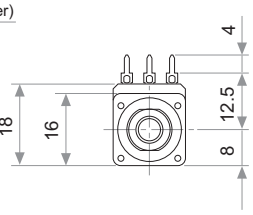
TERMINALS





C



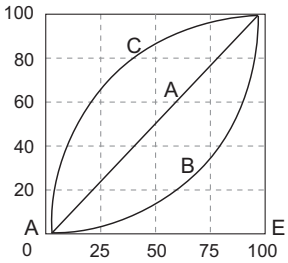


I

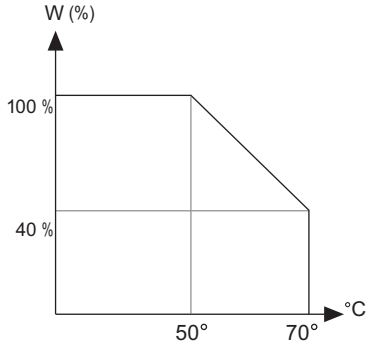
TAPERS

Standard

A = Linear
B = Log.
C = Alog.

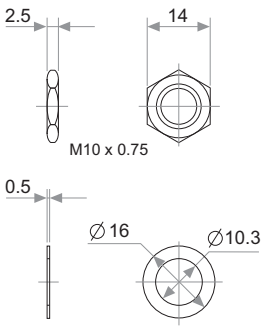


POWER RATING CURVE

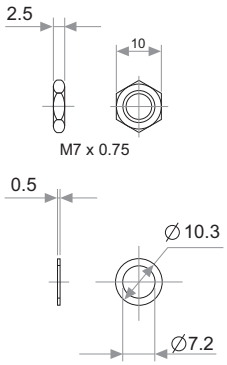


NUTS & WASHERS

Bushing 10



Bushing 07



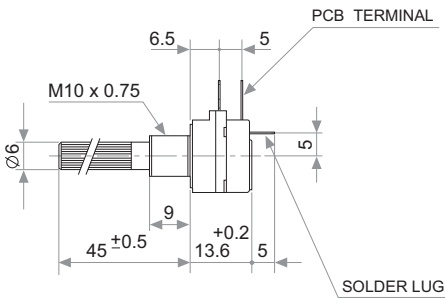
NOTE = Please note relative terminal positions when ordering non linear tapers.

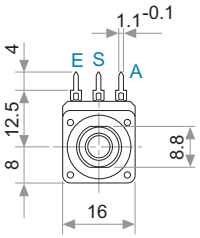
TESTS

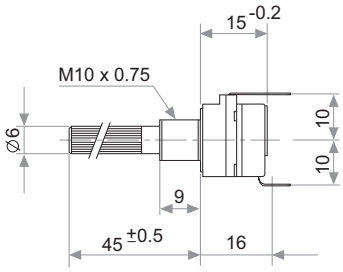
		TYPICAL VARIATIONS
ELECTRICAL LIFE	1.000 h. @ 50°C; 0.2 W	±5 %
MECHANICAL LIFE : POT.* SWITCH	25.000 (10-15 CPM) 10.000 (1 A, 50 VAC)	±3 % (Rn < 1 MΩ)
TEMPERATURE COEFFICIENT	–25°C; +70°C	±300 ppm/°C (Rn < 100 KΩ)
THERMAL CYCLING	16 h. @ 85°C; 2h. @ –25°C	±2.5 %
DAMP HEAT	500 h. @ 40°C @ 95% HR	±5 %
VIBRATION (for each plane X,Y,Z)	2 h. @ 10 Hz. ... 55 Hz.	±2 %

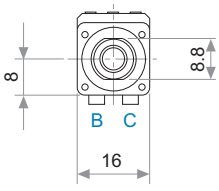
(*) only applicable to values ≥1K. For lower values please consult.

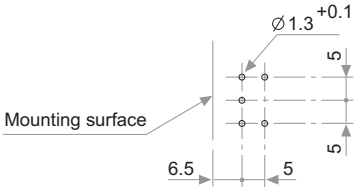
SWITCH

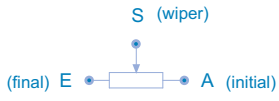




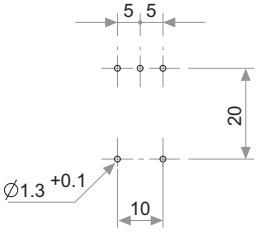


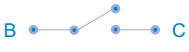






PC-16S . . . H . . . . . . I / C





PC-16SV . . . I

SWITCH SPECIFICATIONS

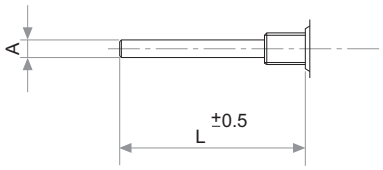
NOMINAL CURRENT	1A, 250 VAC
CONTACT RESISTANCE (initial)	10 m Ω
OPERATING TORQUE	1 to 3 Ncm (1.4 to 4.2 in oz)
OPERATING ANGLE	30° ± 5°
TEST VOLTAGE	500 V

PACKAGING

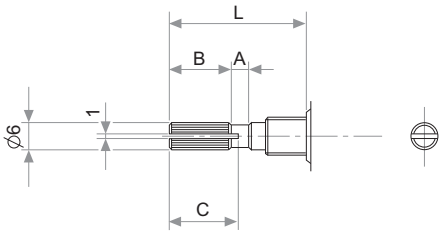
Boxes of 100 pieces (single body model): Inner dimensions 250 x 160 x 95 mm

METALIC SHAFTS

STANDARD

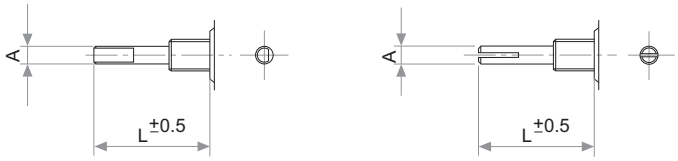


A	L	CODE
4	45	M04
6	45	M06
6.35	45	M07



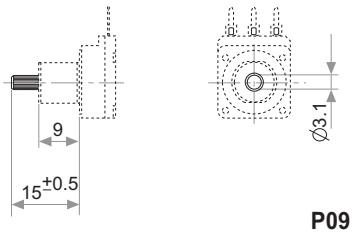
A	B	C	L	CODE
2	5	7	15	M11
2	10	11	20	M12
4	12	14	25	M13
4	12	14	30	M14
4	12	14	35	M15
4	12	14	40	M16
4	12	14	45	M17

SPECIAL



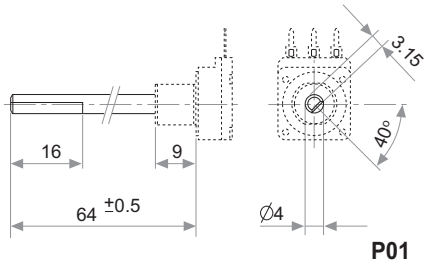
A
Ø 4
Ø 6
Ø 6.35

PLASTIC SHAFTS Ø3.1

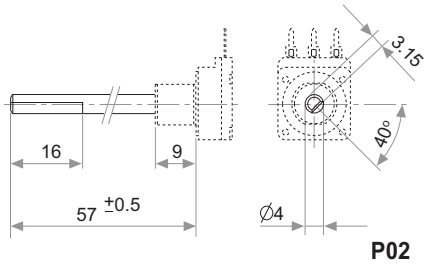


P09

PLASTIC SHAFTS Ø4

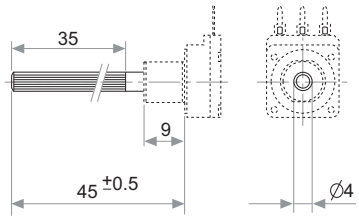


P01

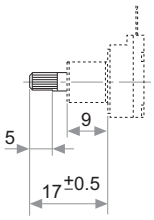


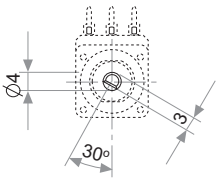
P02

PLASTIC SHAFTS Ø4

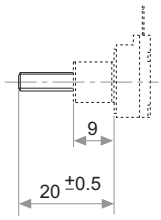


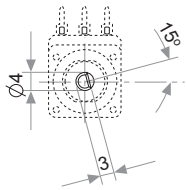
P04



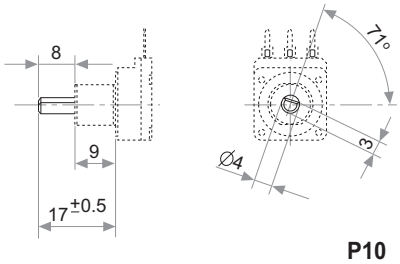


P07

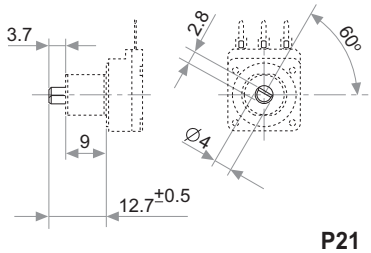




P08



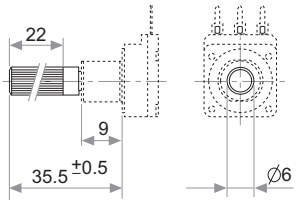
P10



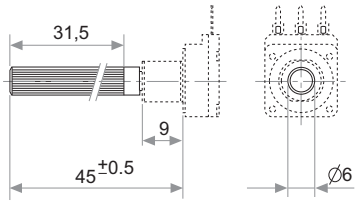
P21

PLASTIC SHAFTS Ø6

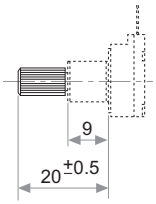
Shaft position shown full CCW. Any other position for plastic shafts has to be shiftted n times 24°. Other positions upon request.

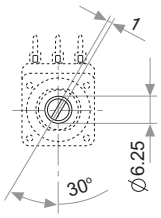


P05

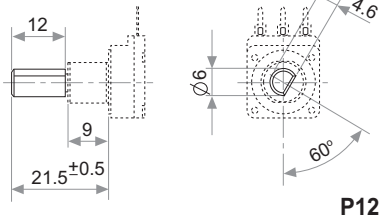


P06

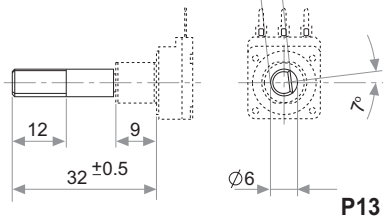




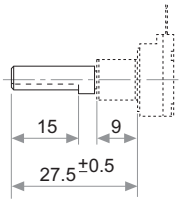
P11

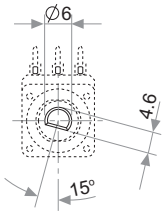


P12

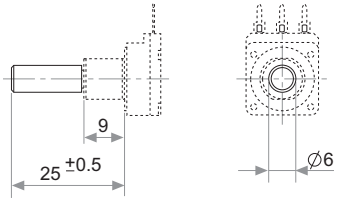


P13

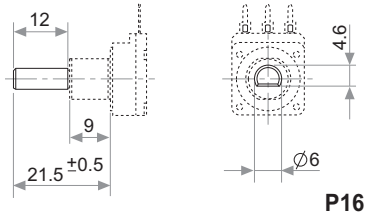




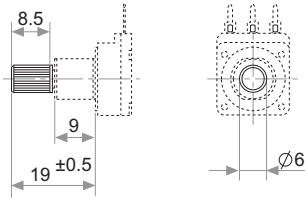
P14



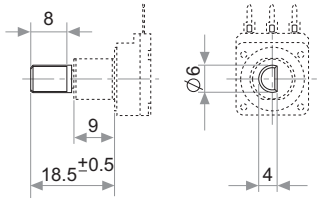
P15



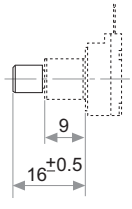
P16

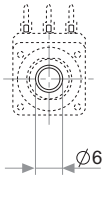


P17

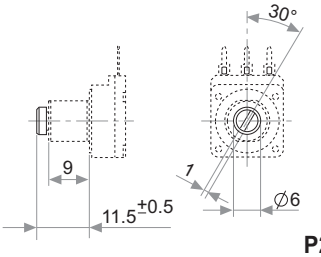


P18

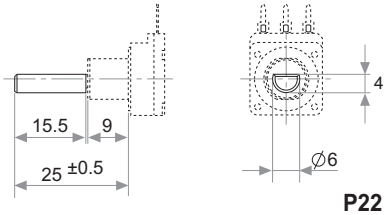




P19

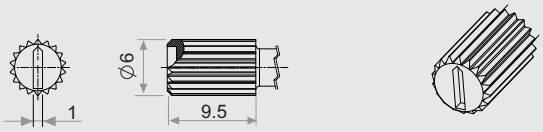


P20

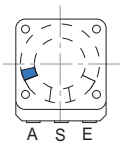


P22

Special shaft example (18 teeth knurl & arrow. Check availability.).

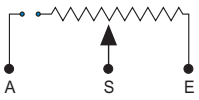


OPEN CIRCUIT FEATURE (CUT TRACK)

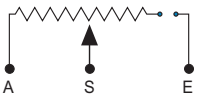


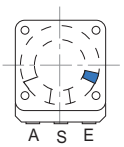
CCW on-off (A)

PCI
Cut track at the beginning of the travel.



PCF
Cut track at the end of the travel



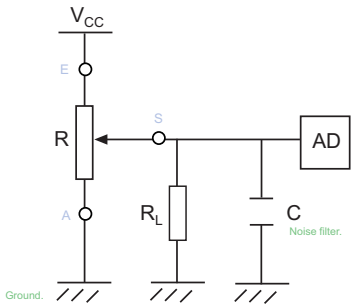


CW on-off (E)

A = Initial S = Wiper E = Final.
PCI, PCF and other configurations available upon request. Check the ordering code with Piher.

RECOMMENDED CONNECTIONS

Piher potentiometer's recommended connection circuit for a position sensor or control application.
(voltage divider circuit electronic design).



$R_L \simeq 100 \times R$

Disclaimer

The product information in this catalogue is for reference purposes. Please consult for the most up to date and accurate design information.

Piher Sensors & Controls S.A., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Piher"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product described herein.

Piher disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Piher's terms and conditions of sale, including but not limited to the warranty expressed therein, which apply to these products.

No licence, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Piher.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Piher products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Piher for any damages arising or resulting from such use or sale. Please contact authorised Piher personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.

Information contained in and/or attached to this catalogue may be subject to export control regulations of the European Community, USA, or other countries. Each recipient of this document is responsible to ensure that usage and/or transfer of any information contained in this document complies with all relevant export control regulations. If you are in any doubt about the export control restrictions that apply to this information, please contact the sender immediately. For any Piher International Corp. Exports, Note: All products / technologies are EAR99 Classified commodities. Exports from the United States are in accordance with the Export Administration Regulations. Diversion contrary to US law is prohibited.

Piher is an Amphenol™ company.

Note: Piher products can be adapted to meet customer's requirements.
Due to continuous process improvement, specifications are subject to change without notice.

v180220

Contact

Piher Sensors & Controls SA
Polígono Industrial Municipal
Vial T2, 22,
31500 Tudela - Spain.
t. +34-948-820450
f. +34-948-824050

sales@piher.net

www.piher.net

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Amphenol:

PC16SH07CP06104A2020TA PC16SV07IP17503A2020TA PC16SH07CP06504A2020TA PC16SH07CP06104A2020CTA PC16TH7CP06103A2020TA PC16SH07CP06105A2020TA PC16SH07CP06102A2020TA PC16DH07CP06504A2020TA PC16SH10CP05-504A2020-TA PC16DH07CP06255A2020TA PC16DH07IP06103A2020TA PC16DH07CP06103A2020TA PC16SH07CM04102B202015.0C-T PC16SH07CP06504A2020CTA PC16SV-10IP06-504A-2020 PC16TH07CP06473A2020TA PC16SH10CP05-103A2020-C-TA PC16SV10IP06-504A1010-20.0-TA PC16SH07CP06102A2020CTA PC16SH07CM06-104C2020TA PC16SH10IP11472A2020TA PC16SV-10IP06-253A-2020 PC16SH07CP06103A2020CTA PC16SH07CP06103A2020TA PC16DH07CP06104A2020TA PC16DH07IP06-103A2020-TA PC16SH07CP06503A2020TA PC16DH07CP06103B2020TA (AUDIO TAPER) PC16DH07CP06102A2020TA PC16DH07CP06102A2020ITA PC16SH10IP11-4.7K-2020TA PC16SV-10IP06-253A-2020-17I PC16SH10M17474A2020TA PC16SH07IP06103A2020-18.0TA PC16SH07IP21104A1010 PC16SH07IP21224A1010TA PC16SV-10IP06-504A-2020-17I PC16DH07IP09503A2020 PC16SV-10IM07-104A-2020 PC16SV10IP05-502A2020-TA PC16CH07CP06104A2020TA PC16CH07CP06504A2020TA PC16DH07IP06-503A2020TA PC16DH10CP17104B2020CTA PC16DH10IP14-103A2020TA PC16SH07CP06103B2020TA PC16SH10CP06103A2020TA PC16SH10IM07103A2020TA PC16SV07IP06503A2020/L45 PC16TH-07CP06-101A2020TA 6126 BLACK PC16SH10IP0647A2020TA PC16SH07IP21335A1010 PC16SH07IP21475A1010TA PC16SH-10IP11-473A2020 PC16SH-07IP06-103A2020 PC16SV-10IP05-502A2020 PC16SH-07CP06-103A2020 PC16SH-07CP06-105A2020 PC16DH-07IP06-103A2020 PC16DH10IM06102B20203DTA PC-16SH07IP21475A2020-TA PC-16SH10CP060503A101025.4C-TA PC16SV-10IP06-103A2020-TA PC16SH-10IP06-103A2020-TA PC16SH-10IP06-102A2020-TA PC16SH-07CP20-103A2020-TA PC16SH-10CP16-105A2020-TA PC16SV-10IP12-103A2020-TA PC16SV-10IP18-104A2020-I-TA PC16SH-10IP06-472A2020-TA PC16SV-07IP19-253A2020-TA PC16SH-10CP22-103A2020-C-TA PC16SH-07CP04-104A2020-TA 5465