Pickering Electronics

was started by John Moore with the aim to design and manufacture high quality reed relays for use by original equipment manufacturers.

One Switch



Switch

Three Switch

Four Switch



The first ever Pickering relays were potted in quite large chromium plated steel boxes.









Series 97

in-Line (DIL/ DIP) Pickering relay. Made in a similar construction to the larger Series 80.



Series 60 Series 65

The first high voltage

relays offered by

Pickering are still

widely used in many

applications today.

Series 70

These were very large Bi-stable relays. Pickering still make a variant of this relay today which is used in automatic braking systems for railways all over the world.

Pickering's SoftCenter Technology was established to protect the sensitive glass/metal seal of the reed switch capsule. Our competitors' solutions only provide a hard center.





Series 105



Dry and mercury

Series 88

Series 80



wetted relays still available today.





High coil resistance SIL/SIP relays. Ideal for portable equipment.



Series 98

Flectrical equivalent of the Series 101 but in a DIL/DIP format.



Series 62/63

High voltage relays switching up to 15 kV stand-off.



Series 104

The first ever high voltage SIL/SIP reed relay.



Series 102

Subminiature coaxial RF reed relays.



The first ever vertical-SIL/SIP relay for high density applications. Two thirds the board area of the Series 109 but with the same specification.



Series 111

PICO SIL/SIP relays including coaxial types for up to 1.5 GHz. Pin compatible with the Series 110 but with a lower power rating.



Series 112

SIL/SIP relays. pin compatible with the Series 110/111 but with 10 W contact rating.



Series 114

High power

dry SIL/SIP

relays with a

40 W rating.

Series 117

Very high

density relays

stacking on a

0.15" x 0.27"

pitch. The

highest density

available at that

Pickering Electronics'

Product Timeline

Series 118

High coil resistance vertical reed relays for portable instrumentation.



Series 109-1-C

Expanded the range to include Form C (changeover) reed relays.





Series 68

SIL/SIP HV relays for up to 10 kV.



Series 119

Miniature SIL/SIP high voltage relays for up to 3 kV stand-off.



Series 100HC

High power, high coil resistance reed relays for up to 3 A continuous carry

Series 100HV

High voltage, high

coil resistance reed

relays for up to 3 kV

stand-off and low

power consumption.



REED RELAYS

Series 219

current.



Surface mount high voltage reed relays up to 3 kV stand-off.





1970



The first Dual-



Series 100

Low thermal EMF relays. Direct drive from CMOS.



Series 107

Introduced the first ever Mini-SIL reed relay with a patented mu-metal screen/ can - the Series 107 increased packing density and improved efficiency and reliability.



and two pole types.

Constructed on a lead-

frame using former-less

coils.





1987

Series 106

Plastic package with an internal mu-metal screen.



Series 103

Low capacitance SIL/SIP reed relays.



Series 108

Smaller version of the Series 107 saving 25% board space.



Series 109

The first ever

Micro-SIL/

SIP relay for

high density

applications -

the Series 109

requires little

more than half

the board area

of any other SIL/

SIP reed relay

on the market at

the time, setting

a new standard

within the

industry.





Series 200

1997

Surface mount reed relays including coaxial types for up to 5 GHz.





2001

Series 113

Lower profile version of the Series 112 but in a slightly longer package. Range includes 2-Pole and changeover types.



Series 116

Identical configuration to the Series 117 but a higher profile. Power rating increased to 10 W.



2003

Identical configuration to the Series 117 and 116 but a higher profile. Power rating increased to 20 W.



2005

Series 115

Introduced the smallest footprint reed relay for high density applications the Series 120

> The Series 124 followed in 2018 and the Series 122 in 2019.

4mm²™.

2017

Series 120



Series 131 A new range of verv small high voltage SIL/SIP relays for up to

1.5 kV.



Series 104 Switch No. 4

2022

The addition of a new I Form A switch rated at up to 4 kV stand-off.





Series 104 - Switch No. 5

The addition of a new 1 Form A switch rated at up to 5 kV stand-off.



Series 144

High power dry relays up to 80 W whilst stacking on 0.25 pitch.



Series 125

Industry's smallest 2 Form A DPST relays switching up to 1 A, 20 W.



A first for the industry, Pickering's new Series 120, 122 and 124 4mm² reed relays mount on a 4 mm x 4 mm board area, whilst switching up to 1A.













