

# Transistor Museum™ Store Historic Semiconductor Fact Sheet

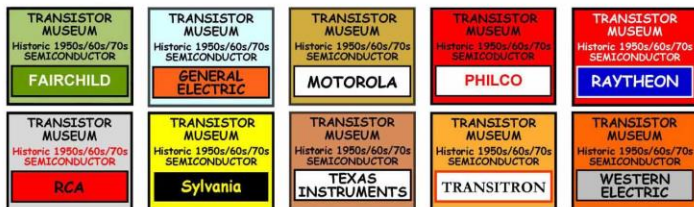
## Research and Collecting Kit with 50 Historic Semiconductors from the 1950s/60s/70s

### TRANSISTOR MUSEUM™ HISTORIC SEMICONDUCTORS

RESEARCH AND COLLECTING  
KIT WITH 50 HISTORIC  
SEMICONDUCTORS FROM  
THE 1950s/1960s/1970s

DESIGNED FOR THE HISTORIAN,  
ENGINEER, RESEARCHER AND  
SEMICONDUCTOR HOBBYIST

INCLUDED ARE VINTAGE, HISTORIC AND  
COLLECTABLE DEVICES FROM THESE  
PIONEERING MID 20<sup>th</sup> CENTURY  
SEMICONDUCTOR MANUFACTURERS



START YOUR OWN COLLECTION OF HISTORIC  
SEMICONDUCTORS. INCLUDED ARE ADDITIONAL  
MATERIALS FOR RESEARCHING AND  
EXPANDING YOUR COLLECTION.

[See The Complete Collecting Kit Here](#)

### DESCRIPTION OF YOUR RESEARCH AND COLLECTING KIT

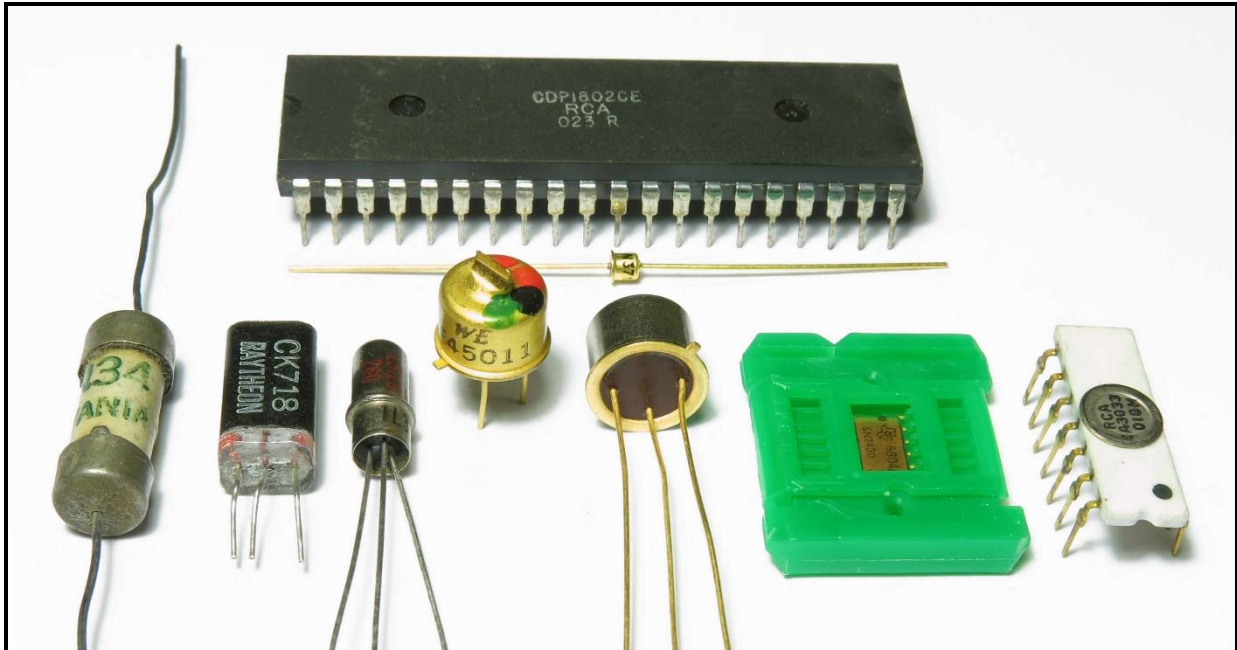
This kit is one of a continuing series of semiconductor research and collecting kits developed by the Transistor Museum. The **Historic Semiconductors Research and Collecting Kit** provides comprehensive technical descriptions, historical commentary and timelines, and photographs of the famous diodes, transistors and integrated circuits that were first developed in the 1950s, 1960s and 1970s and which have had such a profound effect on the world of today's electronics. This wealth of research information should be of great interest and value to the modern-day historian, engineer, researcher and electronics hobbyist. Also included in this unique Transistor Museum kit are 50 vintage, historic and collectable mid-20<sup>th</sup> century semiconductors, all documented with key data and photographs.

The included historic semiconductors are examples of important technologies and represent device types manufactured by ten of the best known and pioneering semiconductor device companies from this time period. Each of these technologically significant examples of diodes, transistors and ICs is stored in a presentation envelope with an associated data card. This type of collecting kit is unique in the world of historic semiconductor research and has been developed to provide an enjoyable learning experience and an unparalleled opportunity to begin and then expand your collection.

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### Research and Collecting Kit with 50 Historic Semiconductors from the 1950s/60s/70s



Shown above are examples of the historic semiconductor types included with this kit. At far left is a Sylvania 1N34 germanium diode, from the late 1940s, which was the first commercially available crystal diode. At top is an RCA 1802, one of the first microprocessors from the 1970s. The other devices shown illustrate the magnitude of progress in semiconductor technology during this timeframe, starting with 1950s germanium transistors (lower left - Raytheon CK718, Philco Surface Barrier and WECO diffused base), 1960s silicon transistors (Fairchild 2N1613 planar device), first 1960s ICs (TI Solid Circuit and RCA CMOS), and unique technologies such as the 1960s tunnel diode (GE gold axial 1N3712 shown below the RCA 1802).

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#### COMPLETE LIST OF THE HISTORIC SEMICONDUCTORS INCLUDED IN YOUR KIT

<b>Fairchild</b>	Silicon transistors: 2N696, 2N1613, 2N4124
	Integrated circuit (RTL) : uL923
<b>General Electric</b>	Germanium transistor: 2N107
	Germanium tunnel diode: 1N3712
	Silicon unijunction transistor: 2N491/492
	Silicon transistor: D43C5
<b>Motorola</b>	Germanium transistors: 2N1004, USN 2N705
	Silicon transistors: MPSU03, 2N2222
<b>Philco</b>	Germanium transistors: L5129, 2N1500, 2N2375
	Silicon transistor: 2N858-862
<b>Raytheon</b>	Germanium transistors: CK718, CK78X, Blue Case
	Silicon diode: 1N434B
<b>RCA</b>	Germanium transistors: 2N109, 2N404
	Integrated circuit (CMOS): CA/CD series
	Microprocessor: Cosmac 1802
<b>Sylvania</b>	Germanium diode: 1N34
	Germanium transistor: 2N35
	Silicon transistor: 2N708
	Integrated circuit (SUHL) SG52
<b>Texas Instruments</b>	Germanium transistor: R212
	Silicon transistors: Type 950, 2N33X
	Integrated circuit (TTL): SN7430F
<b>Transitron</b>	Germanium diode: S775G-1
	Silicon transistors: 2N343, 2N2905, Embossed Case
<b>Western Electric</b>	Germanium diode: 400A/1N43
	Germanium transistors: Type 12, 2N559, GF45011
<b>Plus 10 Additional Selected Historic Semiconductors</b>	This kit includes 10 historic semiconductors (two envelopes of five devices each) that have been identified by company name, but which still require additional research on your part to complete the data card. We've included these devices as a first step (hopefully enjoyable) to support your ongoing research into the exciting world of semiconductor history.

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### Research and Collecting Kit with 50 Historic Semiconductors from the 1950s/60s/70s

#### WHAT ELSE IS INCLUDED IN YOUR KIT?

- 50 historically significant semiconductors from the 1950s-1970s
- Devices from 10 of the key mid-century semiconductor manufacturers illustrated on the front cover
- Storage and presentation envelopes for each device
- Historic semiconductor data cards for each device
- Photographs and technical descriptions for each device
- Additional storage and presentation envelopes and data cards to expand the initial collection of 50 devices
- Protective storage box for this complete kit, including all devices and documentation
- This comprehensive and highly illustrated 50+ page book in hardcopy version and also as an online pdf
- An extensive bibliography of websites and publications to aid you in researching and expanding your collection
- Informative discussion, facts and photographs documenting a "Brief History of Early Semiconductors"
- Access to the online Transistor Museum for additional research material and more available historic semiconductors

The 50+ page book for this kit is available online for no charge here:

[Transistor Museum Historic Semiconductors Research and Collecting Kit.pdf](#)

A hard copy version of this book is included in the Transistor Museum Historic Semiconductors Research and Collecting Kit, which also includes 50 packaged historic semiconductors and the associated presentation envelopes and data cards.

You can contact the Museum directly to order this historic kit at:

[transistormuseum@aol.com](mailto:transistormuseum@aol.com)

Cost for the complete kit is \$225, which includes shipping in the U.S.