Active DIE and Epoxy Mountable Components for Hybrid and MCM Applications

Bi-Polar Transistors / MOSFETS, JFETS
Rad Hard, Military/Aerospace, Commercial
Low Voltage, High Voltage, Small Signal JFETS

IC’s
MOSFET Drivers, LDO Regulators, OP Amps, Highbandwidth ECL

Diodes
Switching, Zener, Schottky Power, Military Qualified and Up Screened

Resistors
Thin Film, Thick Film, Precision Foil, Wire Bondable and SMT, Military / Space / High Temp Qualified

Capacitors
Ceramic Multilayer, Tantalum, High Frequency, MIL-PRF-123 Qualified

Inductors
Power, SMT, Conical, Custom, Military Qualified

RF / High Frequency Products
Caps, Silicon MIS Caps, Attenuators, Limiter Diodes, PIN Diodes, PIN Beamlead Diodes
Varactor Diodes, Schottky Silicon and GaAS Chips, Schottky 0201 SMT Devices, RF Switches

DMSMS
Large Inventory of Obsolete / Hard to Find Die

“OTSI” Off The Shelf Inventory / Ship From Stock In 24 Hours

ALL VISHAY PRODUCTS
Including:
- BC Components
- Dale
- Electro-Films
- Semiconductors
- Sfernice
- Siliconix
- Sprague
- Thin-Film
- Vitramon

www.escomponents.com
Analog and High Bandwidth IC’s

MICREL
ECL Alternatives (10/100E, EL, LVEP)
FET Drivers (MICxxx) / LDO (Low Drop Out) Regulators
Obsolete “LMxx” Alternatives
Operational Amplifiers / Voltage Regulators

SILICONIX
Analog Switches (Siliconix DGxxx)

Bi-Polar Transistors

SEMICOA
Bi-Polar Transistors, Rad Hard
Mil/Aerospace, Commercial

MOSFETS

SILICONIX (and IR Divested) / SEMICOA
Low Voltage/High Voltage Power MOSFET’s (To 1000V)
JFETs (Limited to On-Hand Inventory)
Commercial, Mil/Aerospace, Rad Hard

RF / High Frequency Products

SKYWORKS
Silicon MIS Chip Capacitors
Fixed Attenuator Pads
Limiting Chip Diodes
PIN Chip Diodes
PIN Beamlead Diodes
Varactor Chip Diodes
Schottky Silicon Chip Diodes
RF Switches In Die Form
Schottky GaAs Flip Chips (Up To 100 GHz)
Schottky 0201 SMT Device (Up To 100GHz)

Capacitor Chips, Ceramic

NOVACAP, VISHAY VITRAMON
MLCC With Palladium Silver Terminations
NPO, X7R, X5R, XO, HIQ
"Arc-Guard” X7R High Voltage Chips
High Temp (+200°C) Ceramic Chip Caps
Magnetic Free SMT, Silver Palladium Terminations
Polymer Terminated Chip Caps
Cer-F High Frequency Filtering Caps
CDR MIL-PRF-55681

Capacitor Chips, Tantalum

VISHAY: SPRAGUE, TANSITOR
Tantalum Chip Caps With Gold Terminations
195D, 594D, 595D, 695D Gold Plated
298D Microtan® With Gold Terminations
0402 / 0603 / 0805 Case Sizes
Now Available: 22uF / 0402 Size
T66 Hirel (MIL-PRF-55365) COTS Tantamount® SMT
Low ESR, Built-In Fuse, Tin/Lead Plating
High Temp (200°C) Tantalum Chip Caps
194D, 293D, CW 06/11, MIL-PRF-55365

Diodes, Power

SENSITRON, VISHAY SEMICONDUCTORS
Bondable and Solderable Metals, Including Gold
Rectifier 1N4001/6, 1N5806/11, 1N5811, MURCxxx
Schottky Diodes (1A - 150A / 15V - 200V)
1N5819, 1N5821, 1N5825
Thyristors and SCR’s
TVS Diodes (to 5000W)
P4, P5, P6KE, 5KP, SMA/B/C Series
Zener Diodes (Power, 1W - 50W)
1N44xx, 1N49xx Families

Diodes, Small Signal

SENSITRON, VISHAY SEMICONDUCTORS
and IR Divested
ESD Diodes
Hot Carrier (Schottky) Diodes, 1N5711
Switching Diodes
1N914, 1N4148, 1N4150, 1N6840, 1N6842
Zener Diodes (to 500mW)
1N746, 1N4099, 1N4617, 1N55xx Families and More

Resistor Chips, Thin Film

VISHAY: EFI, SHERWIN, VTF
20x20, 30x30 Wire Bondable
BCR, CTR, SFM NiChrome Chips
High Value SiChrome Chips
High Temp (+200°C) Chips & Wrap-Arounds
Custom Resistor Networks
MIL-PRF-55342 Gold Termination
Microwave Wire Bondable Chips

Resistor Chips, Thick Film

VISHAY: DALE, TECHNO, VTF
Low Value WSL/WSR Chips
Custom Thick Film Chips
CRHV High Voltage Thick Film Chips
MIL-PRF-55342 Gold Termination SMT

Custom Thin Film Products

VISHAY EFI
Custom Thin Film Substrates
High Conductivity Power Substrates
MOS/NMOS Thin Film Capacitors
Spiral Inductors, Fixed and Adjustable

Precision Foil Resistors

VISHAY PRECISION GROUP / ALPHA ELECTRONICS
Screening To Class “K”

Thermistors

VISHAY BC COMPONENTS
PTC / NTC