



- Reverse Engineering
- Innovation and R&D
- Quality Control
- Sustainability



Best for **Design Development & Manufacture**
of Products used in **Strategic applications**

Portable Electronic Loads

Portable Electronic Loads



| Model No. : | | DCS-EL-1912-6020 | DCS-EL-1912-10020 | DCS-EL-1912-7050 |
|---------------------------------------|-----------------------|------------------------|-------------------|---------------------|
| Voltage Rating | | 60 V | 100 V | 70 V |
| Current Rating | | 20 A | 20 A | 25 A (Each Channel) |
| Power Rating | | 500 W | 2 kW | 3.5 kW (Dual) |
| Controller | | Micro Controller | - | Micro Controller |
| Mode of Operation | Manual | ✓ | ✓ | - |
| | Remote | ✓ | - | ✓ |
| High Speed Industrial Communication | Rs 232 | RS 232 | - | RS 232 |
| | Rs 485 | - | - | - |
| Current Setting through Potentiometer | | ✓ | ✓ | ✓ |
| Constant Current Mode (CC) | | ✓ | ✓ | ✓ |
| Constant Voltage Mode (CV) | | ✓ | - | - |
| Constant Power Mode (CP) | | ✓ | - | ✓ |
| Constant Resistance Mode (CR) | | ✓ | - | - |
| Min Programmable Pulse load | | 1 ms | - | 1 ms |
| Programmable Load steps | | 300 | - | 600 |
| Programmable Sample rate | | 1 / 10 / 100 / 1000 ms | - | 1 / 10 / 100 ms |
| ADC Data Resolution | | 16 Bit | - | 16 Bit |
| Load current Raise / Fall Time | | <0.5 ms | - | <0.5ms |
| Programmable Igniter Activation | | ✓ | - | ✓ |
| USB Storage | | ✓ | - | ✓ |
| Software Integration | Front End Application | Provided | - | Provided |
| | Data Export to MATLAB | Provided | - | Provided |
| | Data Export to EXCEL | Provided | - | Provided |
| Protections | Over Voltage | Enabled | Enabled | Enabled |
| | Over Current | Enabled | Enabled | Enabled |
| | Over Power | Enabled | Enabled | Enabled |
| | Reverse | Enabled | Enabled | Enabled |
| Data Logging | Voltage | Provided | - | Provided |
| | Current | Provided | - | Provided |
| | Power | Provided | - | Provided |

Automated Power Supply Tester

| Model No. | | DCS-ATE-1912-48100 | DCS-ATE-1912-48196 | DCS-ATE-1912-48196 |
|---------------------------|---------------------------------------|----------------------|----------------------|----------------------|
| Test JIG's Provision | | Provided | Provided | Provided |
| Tests Performed | Full Load Test at Min AC | SW configurable | SW configurable | SW configurable |
| | Full Load Test at Max AC | SW configurable | SW configurable | SW configurable |
| | Full Load Test at Nominal AC | SW configurable | SW configurable | SW configurable |
| | No Load Test at Nominal AC | SW configurable | SW configurable | SW configurable |
| | Short Circuit Test at Min AC | SW configurable | SW configurable | SW configurable |
| | Short Circuit Test at Max AC | SW configurable | SW configurable | SW configurable |
| | AC ON/OFF Test | SW configurable | SW configurable | SW configurable |
| | I/P AC Over Voltage Cut Off | SW configurable | SW configurable | SW configurable |
| Protections | Over Power | Enabled | Enabled | Enabled |
| | O/P Over Voltage | Enabled | Enabled | Enabled |
| | AC Over Voltage | Enabled | Enabled | Enabled |
| | AC Under Voltage | Enabled | Enabled | Enabled |
| | Output Over Load | Enabled | Enabled | Enabled |
| | Short Circuit | Enabled | Enabled | Enabled |
| Alarms & Indications | ATE Power ON | ✓ | ✓ | ✓ |
| | PCB Passed | ✓ | ✓ | ✓ |
| | PCB Failed | ✓ | ✓ | ✓ |
| Monitoring & Measurements | O/P DC Voltage | ✓ | ✓ | ✓ |
| | O/P DC Current | ✓ | ✓ | ✓ |
| | Status | | | |
| Additional Requirements | PCB / Adaptor Testing | 4 Adaptors at a time | 8 PCBs at time | 4 Adaptors at a time |
| | Time Duration | Within 30 seconds | Within 15 seconds | Within 30 seconds |
| | Provision for new model configuration | ✓ | ✓ | ✓ |
| | Serial No Allocation | ✓ | ✓ | ✓ |
| | System Backup | ✓ | ✓ | ✓ |
| | Locking Facility | ✓ | ✓ | ✓ |
| | Hardware | ✓ | ✓ | ✓ |
| | Reports Printing | ✓ | ✓ | ✓ |
| Common Applications | | Adaptors Testing | Adaptors PCB Testing | Adaptors Testing |

Automated Power Supply Tester

Automated Power Supply Tester



| Model No. | | DCS-ATE-1912-48100 | DCS-ATE-1912-48196 | DCS-ATE-1912-48196 | |
|-------------------------------------|-----------------------|----------------------|----------------------|-----------------------------------|---|
| Model Name | | 4 Channel Final ATE | Primary ATE | 4 + 4 Channel Final ATE | |
| Controller | | Micro Controller ARM | Micro Controller ARM | Micro Controller ARM | |
| Input simulated | Voltage Range | 60V – 400V | 60V – 400V | 60V – 400V | |
| | Voltage Resolution | ±3V AC | ±3V AC | ±3V AC | |
| | Frequency | 50Hz | 50Hz | 50Hz | |
| Output Requirement | Voltage | Range | 3V – 30V | 5V – 30V | Range 1: 3V – 10V Range 2: 10V – 20V Range 3: 20V – 30V |
| | | Resolution | 0.1V | 0.1V | R1: 0.01V R2: 0.02V R3: 0.05V |
| | Accuracy | ±20 mV | ±20 mV | R1: ±20mV R2:±30mV R3:±50mV | |
| | Current | Range | 0 A– 5A | 0 A– 5A | Range 1: 0.1A – 1A Range 2: 1A– 3A Range 3: 3A – 10A |
| | | Resolution | 0.1A | 0.1A | R1: ±10mA R2:±100mA R3:±200mA |
| | | Accuracy | 0.1A | 0.1A | R1: ±10mA R2:±100mA R3:±200mA |
| Line and Load Regulation | | Provided | Provided | Provided | |
| Ripple and Noise | | - | - | Provided | |
| High Speed Industrial Communication | RS232 / Rs485 | ✓ | ✓ | ✓ | |
| | CANBUS | - | - | - | |
| Software Integration | Front End Application | ✓ | ✓ | ✓ | |
| | Reports Printing | ✓ | ✓ | ✓ | |

Programmable Electronic Loads

Programmable Electronic Loads



| Model No. | | DCS-PEL-1912-1210 | DCS-PEL-1912-1210 | DCS-PEL-1912-1210 |
|-------------------------------------|-----------------------|------------------------|------------------------|------------------------|
| Voltage Rating | | 120 V | 200 V | 200 V |
| Current Rating | | 120 A | 400 A | 400 A |
| Power Rating | | 10 kW | 40 kW(Multi Channel) | 40 kW(Multi Channel) |
| Controller | | Micro Controller ARM | Micro Controller ARM | Micro Controller ARM |
| Mode of Operation | Manual | - | - | - |
| | Remote | ✓ | ✓ | ✓ |
| High Speed Industrial Communication | RS 232 | RS 232 | RS 232 | RS 232 |
| | - | - | - | - |
| Constant Current Mode (CC) | | ✓ | ✓ | ✓ |
| Constant Voltage Mode (CV) | | - | - | ✓ |
| Constant Power Mode (CP) | | ✓ | ✓ | ✓ |
| Constant Resistance Mode (CR) | | - | - | ✓ |
| Minimum Programmable Pulse load | | 10 ms | 10 ms | 10 ms |
| Programmable Load steps | | 1200 | 1200 | 1200 |
| Programmable Sample rate | | 1 / 10 / 100 / 1000 ms | 1 / 10 / 100 / 1000 ms | 1 / 10 / 100 / 1000 ms |
| Load current Raise / Fall Time | | <0.5 ms | <0.5 ms | <0.5 ms |
| Programmable Igniter Activation | | ✓ | ✓ | ✓ |
| ADC Data Resolution | | 16 Bit | 16 Bit | 16 Bit |
| Software Integration | Front End Application | Provided | Provided | Provided |
| | Data Export to MATLAB | Provided | Provided | Provided |
| | Data Export to EXCEL | Provided | Provided | Provided |
| Protections | Over Voltage | Enabled | Enabled | Enabled |
| | Over Current | Enabled | Enabled | Enabled |
| | Over Power | Enabled | Enabled | Enabled |
| | Reverse | Enabled | Enabled | Enabled |
| Data Logging | Voltage | Provided | Provided | Provided |
| | Current | Provided | Provided | Provided |
| | Power | Provided | Provided | Provided |
| | Resistance | - | - | Provided |
| | Trigger Current | Provided | Provided | Provided |
| Common Applications | | Primary Batteries | Primary Batteries | Primary Batteries |

Resistive Load Bank

Programmable Electronic Loads



| Model No.: | | DCS-RLB-1912-1270 | DCS-RLB-1912-1270 | DCS-RLB-1912-15565 |
|-----------------------------|---------------------------------|---|---|---|
| Rating | | 120V/70A | 120V/70A | 155V/65A |
| Input Voltage | | 120V DC | 120V DC | 155V DC |
| Load Current | | 70A | 70A | 65A |
| Load Step Resolution | | 2A | 2A | 2A |
| Load Steps | | 20A x 2 ,10A x 2, 5A x 1, 2A x 2, 1A x 1 | 50A x 2, 20A x 3, 10A x2, 5A x 3, 2A x 2, 1A x 1 | 20A x 2 ,10A x 2, 5A x 1, 3A x 1, 2A x 1 |
| Cooling | Forced Air Cooling/ Air Exhaust | ✓ | ✓ | ✓ |
| | Top/Bottom Panel | - | - | - |
| | Front /Back Panel | ✓ | ✓ | ✓ |
| | Side Panel | - | - | - |
| Load Elements | High Power Wire Wound | ✓ | ✓ | ✓ |
| | Silicon Coated Resistive load | ✓ | ✓ | ✓ |
| | Stain Steel Resistive load | - | ✓ | - |
| Load Selection Through | | Heavy Duty MCB's | Heavy Duty Rotary Switches/ MCB's | Heavy Duty MCB's |
| Display | Voltage | 3 ½ Digital Panel meter | 3 ½ Digital Panel meter | - |
| | Current | 3 ½ Digital Panel meter | 3 ½ Digital Panel meter | - |
| Bus Bar Terminals | | Provided (inside panel) | Provided (inside panel) | Provided (inside panel) |
| Load Cables Entry | | Through Back panel | Through Bottom | Through Back panel |
| Termination | | All load wires terminals brought to one side panel with proper insulation | All load wires terminals brought to one side panel with proper insulation | All load wires terminals brought to one side panel with proper insulation |
| Auxiliary Supply | | 230V AC | 230V AC | 230V AC |
| Protection Grade | | IP 21 | IP 21 | IP 21 |
| Dimensions (W x D x H) mm | | 560 x 640 x 370 | 550 x 750 x 1200 | 560 x 640 x 370 |

Battery Chargers



| Model No. | | DCS-CH-1812-6060 | DCS-CH-1812-1225 | DCS-CH-1912-1550 |
|-------------------------|-----------------------|------------------------------------|------------------------------------|------------------------------------|
| Rating | | 60V/60A | 120V250A | 15V50A |
| Power Input | | 180 – 250 V AC | 415V ±10% 3Phase | |
| Power | | 3.6 kW | 30kW | 750W |
| Charger | | Inbuilt Active power factor based | Thyristor controlled | - |
| Modes of operation | Constant Current (CC) | ✓ | ✓ | ✓ |
| | Constant Voltage (CV) | ✓ | ✓ | ✓ |
| Voltage & Current | Range | 10V – 60V, 0-50A | 10V – 120V, 0-250A | 2V-15V, 0 -50A |
| | Resolution | 0.1V, 0.1A | 1V,1A | 0.1V, 0.1A |
| | Accuracy | ±0.5% | ±0.5% | ±0.5% |
| | Setting | Through Front Panel Potentiometers | Through Front Panel Potentiometers | Through Front Panel Potentiometers |
| Meters | Voltage (Voltmeter) | 3 ½ Digit Panel Meter | 3 ½ Digit Panel Meter | 3 ½ Digit Panel Meter |
| | Current (Ammeter) | 3 ½ Digit Panel Meter | 3 ½ Digit Panel Meter | 3 ½ Digit Panel Meter |
| | Cooling | Forced Air Cooling | Forced Air Cooling | Forced Air Cooling |
| Battery input terminals | | Heavy Duty Copper Bus Bar | Heavy Duty Copper Bus Bar | Heavy Duty Copper Bus Bar |
| Transportability | | Portable | Wheel mounted | portable |
| Protections | Over Voltage | ✓ | ✓ | ✓ |
| | Under Voltage | ✓ | ✓ | ✓ |
| | Over Current | ✓ | ✓ | ✓ |
| | Reverse Polarity | ✓ | ✓ | ✓ |
| | Short Circuit | - | ✓ | ✓ |
| | Phase Failure | - | ✓ | ✓ |
| Ripple | | ±2% RMS | ±2% RMS | ±2% RMS |
| Regulation | | ±1% Set Value | ±1% Set Value | ±1% Set Value |
| Indications | Mains/Output ON | - | ✓ | ✓ |
| | Mains Under Voltage | - | ✓ | ✓ |
| | Mains Over Voltage | - | ✓ | ✓ |
| | Output Over Loaded | - | ✓ | ✓ |

Battery Pack (LifePO₄) with BMS

Battery Pack
(LifePO₄) with BMS



| Model No. | | DCS-BMS-1912-48100 | DCS-BMS-1912-48100 | DCS-BMS-1912-48100 |
|---|-------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| Rating | | 48V/100AH | 48V196AH | 154V/220AH |
| Controller | | High Integrated Battery stack Slave | High Integrated Battery stack Slave | High Integrated Battery stack Slave |
| Measures | Cell Voltages | ✓ | ✓ | ✓ |
| | Current | ✓ | ✓ | ✓ |
| | Temperature | ✓ | ✓ | ✓ |
| Stackable Architecture which supports max no of Cells | | 256 | 256 | 256 |
| High Speed Industrial Communication | RS232 / Rs485 | ✓ | ✓ | ✓ |
| | CANBUS | ✓ | ✓ | ✓ |
| Intelligent Cell balancing | | ✓ | ✓ | ✓ |
| Daisy Chain communication | | ✓ | ✓ | ✓ |
| SOC and SOH Calculations | | ✓ | ✓ | ✓ |
| Onboard capacitive isolation | | ✓ | ✓ | ✓ |
| Open battery Connection detection | | ✓ | ✓ | ✓ |
| Software Integration | Front End Application | Provided | Provided | Provided |
| | Data Export to MATLAB | | | Provided |
| Cell Voltage | | 3.2V | 3.2V | 3.2V |
| Rated Capacity | | 100AH | 196AH | 220AH |
| Cell Chemistry | | LiFePO4 | LiFePO4 | LiFePO4 |
| No. of Cells in series | | 15 Cells | 15Cells | 48 Cells |
| No. of Cells stackable | | Up to 256 Cells | Up to 256 cells | Up to 256 cells |
| Rating | | 48V/100AH | 48V196AH | 154V/220AH |
| Protections | Cell Over/Under Voltage | ✓ | ✓ | ✓ |
| | Over Current | ✓ | ✓ | ✓ |
| | Over Temperature | ✓ | ✓ | ✓ |
| Data Logging | Cell Voltage | ✓ | ✓ | ✓ |
| | Current | ✓ | ✓ | ✓ |
| | Temperature | ✓ | ✓ | ✓ |
| Common Applications | | Electric Vehicles, UPS | EV 3 Wheeler | Laser System |

Computerized Thermal Battery Test System

- Specially designed to test fire the thermal batteries used in missiles
- High precision programmable current pulse for ignition
- Squib firing Electronics for testing squibs / Pyros for all-fire and no- fire currents
- Configurable load current
- Precised data current
- Dedicated application software package
- The test results are presented in both graphical and tabular forms



Computerized DC Electronic Load Bank



- Load Voltage from 5V to 200V
- Load current form 0A to 2000A
- Course and fine variations of load current
- Pulse loading (10ms)
- Programmable discharge modes : CV, CC, CP, CR
- Can be used as Discharge Banks for all types of batteries
- Voltage current, temperature are acquired and recorded for after test analysis
- Precised data acquisition
- Dedicated and menu driven application software package
- User friendly GUI of the system
- The test results are presented both in graphical and tabular forms
- Forced air cooling

High Power Oil Cooled Rectifiers SMPS Ageing Load Setup



Aircraft Battery Maintenance System I-Charger

- State of the art micro controller based battery analyzer
- SMPS based charger for constant current and constant voltage charging
- Multi step constant current charge
- Constant current electronic load for capacity test
- User configurable end limits for charging/discharging/temperature
- Temperature monitoring and display of the battery pack
- AH computation and display
- Rapid/Burp charge for quick charging
- Dedicated data Acquisition Module for individual cell monitoring
- Custom Built Jig Fixture for monitoring individual cells of the battery pack
- Programming through LCD keypad
- Optical PC interface through RS 232 with user friendly GUI for data logging



Automated Test Equipment



Computerized Battery Charge/Discharge Test System



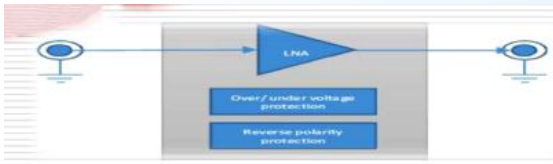
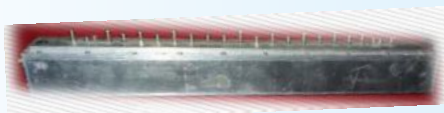
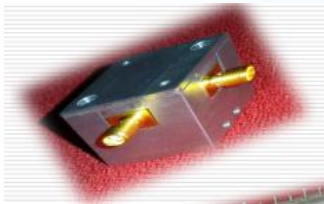
Passive Components (Aerospace Grade)

- Manufacturing
- MRO operations of Electro-elements
- Phase shifter coils
- Inductors
- chocks,
- Transformers
- Torroidally wound Components

Application: Fighter & Transport Aircrafts



RF & Microwave

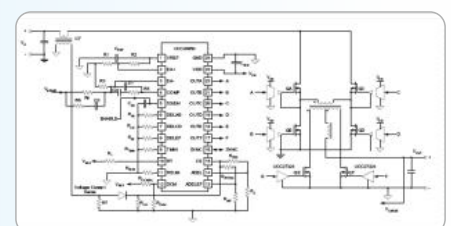
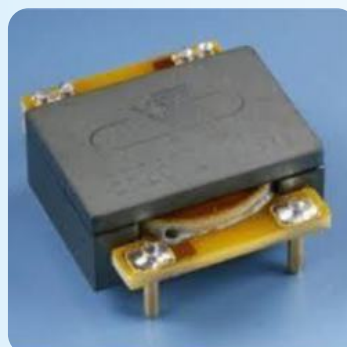
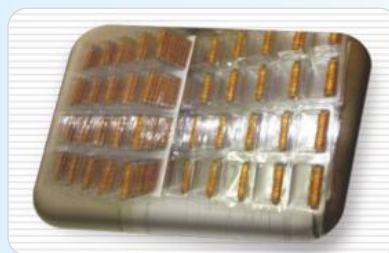


Design Development of

- LNAs (Up to 10GHz) Filters.
- Complete receiver chain (Up to 10GHz)
Transmitter chain (Up to 1GHz)
- Power combiners/ Dividers. Directional couplers (Up to 10GHz) Synthesizers (Up to 5GHz)
- Up convertors (IF to S, L, C bands) Down convertors (L, C to IF) RF Drivers.
- Transceivers and Mixers (Up to 10GHz)
System Integration (Up to 18GHz)

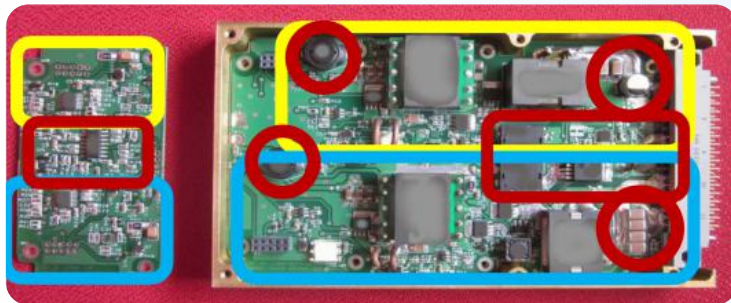
Power Electronics

- LNAs (Up to 10GHz) Filters.
- Complete receiver chain (Up to 10GHz)
Transmitter chain (Up to 1GHz)
- Power combiners/ Dividers. Directional couplers (Up to 10GHz) Synthesizers (Up to 5GHz)
- Up convertors (IF to S, L, C bands) Down convertors (L, C to IF) RF Drivers.
- Transceivers and Mixers (Up to 10GHz)
System Integration (Up to 18GHz)

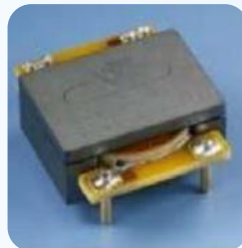


Passive Components (Aerospace Grade)

- Designed for Military and Airborne Applications
- Compact in sized high frequency switching and use of planner technique
- Single, Dual, and Quad Output DC-DC Converters
- MIL 461 E MIL-Std-1275A & MIL-Std 704 and MIL-Std 810 G compatible



- Protection Circuit as per MIL Standard 1275A, 704 A&D and EMIEMC 461C along with thermal, under voltage, high current & short circuit protections
- 12V 8Amps DCDC inclusive of magnetics and PWM controller circuit
- 12V 8Amps DCDC inclusive of magnetics and PWM controller circuit



VPA SERIES

SILICONE COATED
TOLERANCE FROM 0.05% TO 20%
1W TO 12W
AXIAL LEAD
INDUCTIVE & NON-INDUCTIVE
TAPE & REEL OR BULK
SPECIFIED RANGE ON REQUEST



VPA-F SERIES

FLAME RETARDANT
TOLERANCE FROM 0.5% TO 20%
1W TO 12W
AXIAL LEAD
INDUCTIVE & NON-INDUCTIVE
TAPE & REEL OR BULK



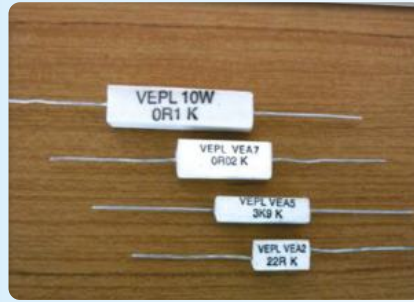
VPC SERIES

SILICONE COATED
TOLERANCE FROM 5% TO 10%
3W TO 10W
PCB RADIAL MOUNTING



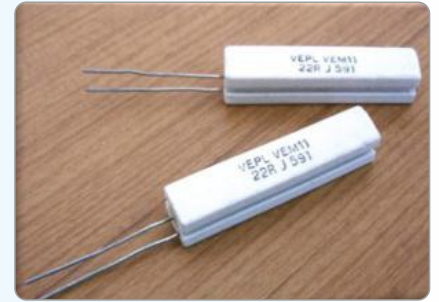
VPR SERIES

SILICONE COATED
TOLERANCE FROM 1% TO 10%
10W TO 500W
RADIAL TERMINATIONS
MOUNTING ARRANGEMENTS
FIXED & ADJUSTABLE
INDUCTIVE & NON-INDUCTIVE
SPECIFIED DESIGN AS PER
REQUIREMENT



VEA SERIES

CERAMIC ENCASED
TOLERANCE FROM 1% TO 20%
1W TO 11W
AXIAL LEAD
INDUCTIVE & NON-INDUCTIVE



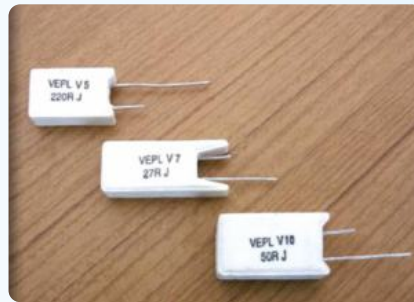
VEM SERIES

CERAMIC ENCASED
TOLERANCE FROM 5% TO 10%
1W TO 11W
VERTICAL MOUNTING



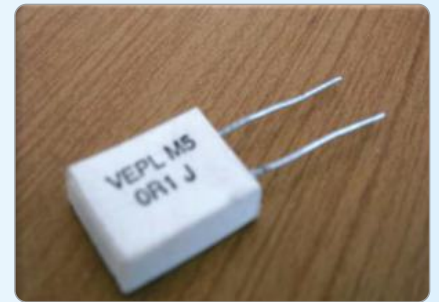
VPR-L SERIES

SILICONE COATED
TOLERANCE FROM 1% TO 10%
1W TO 25W
RADIAL LEAD
INDUCTIVE & NON-INDUCTIVE



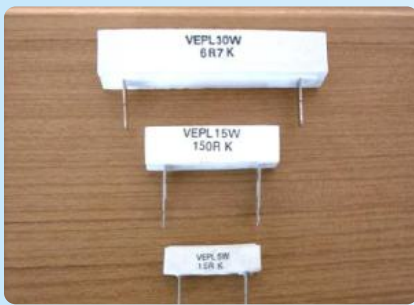
VSS SERIES

CERAMIC CASED
TOLERANCE FROM 1% TO 20%
5W TO 10W
VERTICAL MOUNTING
SPACE SAVING IN PCB'S
INDUCTIVE & NON-INDUCTIVE
AVAILABLE



VBS SERIES

CERAMIC BOX CASED
TOLERANCE FROM 5% TO 10%
2.5W TO 10W
VERTICAL MOUNTING
SPACE SAVING IN PCB'S



VBM SERIES

CERAMIC BOAT CASED
TOLERANCE FROM 1% TO 20%
5W TO 40W
PCB MOUNTING
INDUCTIVE & NON-INDUCTIVE



VAH SERIES

ANTI-CONDENSATION (SPACE
HEATER) HOUSED IN ALUMINIUM
ENCLOSURE
40W TO 100W
SWITCHGEAR INDUSTRY



VLB SERIES

LOAD BANK
500W ONWARDS
IP ENCLOSURE AS PER
CUSTOMER REQUIREMENT
ELEVATORS & EXCALAVATORS
DESIGN AS PRE REQUIREMENT



VMC SERIES

METAL CASED
TOLERANCE FROM 5% TO 10%
1W TO 25W
RADIAL LEAD
INDUCTIVE & NON-INDUCTIVE



VHS SERIES

ALUMINIUM HOUSED
TOLERANCE FROM 1% TO 20%
25W To 300W
AXIAL TERMINATIONS
DESIGNED FOR HEATSINK
MOUNTING
INDUCTIVE & NON-INDUCTIVE
AVAILABLE



VHF SERIES

METAL CLAD
TOLERANCE FROM 0.1 % TO 10%
60W TO 5000W
FLYING LEADS/LUGS



VTC SERIES

TAPCHANGER
POWER INDUSTRY
TRACTION ELECTRONICS



POWER RHEOSTATS

WOUNDED ON CERAMIC BASE
VITREOUS COATING
25W TO 1000W
TANDEM MOUNTING AVAILABLE
CONTROL PANEL & TRACTION



DISCHARGE BOX



PUNCHED GRID PLATES

FOR HIGH POWER
APPLICATION
AS PER CUSTOM DESIGN



CHOPPER RESISTORS



VEW SERIES

200W To 100W
RANGE 0.1 R TO 0.5R
TOLERANCE 10%
MOUNTING WITH BOLTS & NUTS



VWW SERIES

10W TO 1250W
RANGE 0.1R TO 200R
TOL. 1% TO 10%
RIBBON WOUND SILICONE
COATED RADIAL LUGS
ADJUSTABLE & TAPPING



VPR-V SERIES

50W TO 500W
RANGE 0.01 R TO 50K
TOL. 5% TO 10%
VITREOUS COATED
RADIAL LUGS



VPS SERIES

5W TO 12W
RANGE 0.01 R TO 100K
TOL. 5% TO 10%
SILICONE COATED
SCREW COUPLING



VSH SERIES

SHUNT RESISTORS 1AMP
TO 2500 AMPS
TOL, 0.1% TO 10%
4 TERMINALS WITH
SCREW FIXING



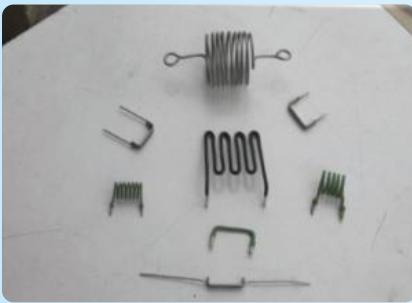
VCS-R SERIES

IDEAL FOR CURRENT SENSING
1W To 5W
0.001 R TO 0.05R
TOL. 1% TO 10%
LOW INDUCTANCE
CUSTOM DESIGN



VCS-AL SERIES

1W TO 3W
0.005R TO 0.01 R
AXIAL TERMINATION
OPEN TYPE



VCS-S SERIES

CURRENT SENSING
OPEN TYPE/COATED
CUSTOM DESIGN



VGC SERIES

CAST IRON GRID RESISTORS
FOR HIGH CURRENT
APPLICATION AS PER CUSTOM
DESIGN



VPF SERIES

25W TO 100W
RANGE 0.01R TO 10K
TOL.0.5% TO 10%
SILICONE COATED
RADIAL LUG



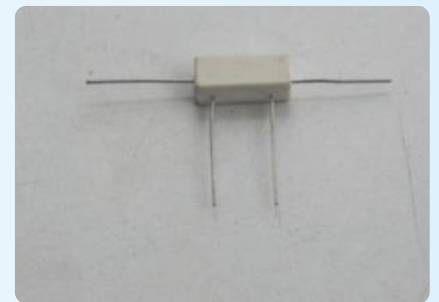
VCS-RL SERIES

CURRENT SENSING
1W TO 3W
0.005R TO 0.01R
RADIAL TERMINATION
OPEN TYPE



VCS-W SERIES

IDEAL FOR CURRENT
SENSING
1W -ro 5W
0.002R TO 0.05R
ToL. 1% TO 10%
LOW INDUCTANCE
CUSTOM DESIGN



VCS-C SERIES

CURRENT SENSING
3W TO 15W
RANGE 0.0033R TO 0.01R
CERAMIC CASED



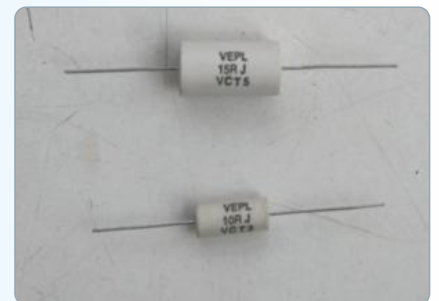
WITH BAKELITE

MOUNTING
ARRANGEMENTS



VRT SERIES

LINEAR RHEOSTATS
300W TO 5000W
RANGE 0.2R TO 5K
ToL.10%



VCT SERIES

5W TO 20W
RANGE 0.01 R TO 56K
ToL.1% TO 10%
CERAMIC CASED
AXIAL LEADS

Wire Wound Resistors - Open Type



VEW Series

VVW Series

- Custom Designed resistors
- Technical information on request
- Custom specifications, please contact us to discuss details

Resistive Loads - Custom Design





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