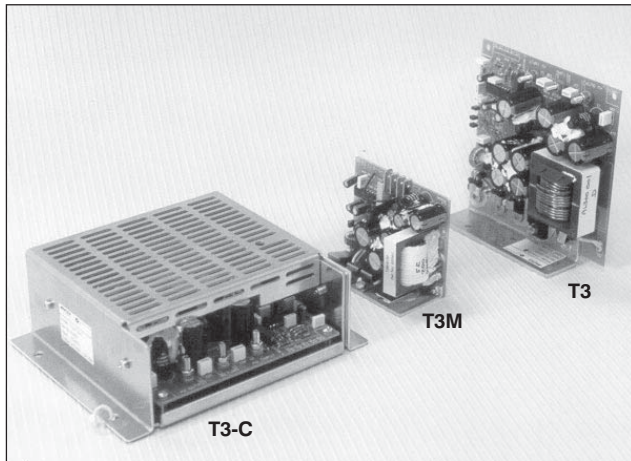


T3 SERIES

DC/DC Single Output: 300 Watts



Features

- Wide input non-isolated DC-DC converters
- Step-down and step-up models
- High efficiency typically 90% for 24/12V model
- Open frame or cased options
- Offers off the shelf solutions for non-standard DC-DC applications
- Low noise EN55022B
- Overload protection
- Over temperature protection - auto recovery
- Remote sense T3M and T3 step down models
- **Option E** = Tropicalised
- **Option M** = Ruggedised
- High MTBF 500,000 hours

| MODEL | Input | Output | | Current Limit |
|--------------------------------|----------|----------|-----|---------------|
| | | V | A | |
| T3M - 6130 - C T3M - 6130 | 10 - 60V | 0 - 30V | 10A | 10~15A |
| T3 - 6115 - C T3 - 6115 | 10 - 60V | 0 - 15V | 20A | 20~30A |
| T3 - 6130 - C T3 - 6130 | 10 - 60V | 0 - 30V | 12A | 12~18A |
| T3SU - 1224 - C T3SU - 1224 | 10 - 18V | 18 - 27V | 10A | 10~15A |
| T3SU - 2448 - C T3SU - 2448 | 20 - 36V | 36 - 54V | 5A | 5~7A |

• C = Vented case model

Specifications

INPUT VOLTAGE: DC input - refer to table
 • T3 and T3M Step Down Converters, input must be >3V of output voltage setting

OUTPUT VOLTAGE: Refer to table

PARALLEL OPERATION: Consult office

OUTPUT POWER: Model dependent typically 300 watts

EFFICIENCY: Model dependent up to 95%

INPUT FUSE: Not fitted, external fuse should be fitted for protection

INPUT CURRENT:
 T3M: 14A
 T3: 22A
 T3SU: 30A (1224 model)
 15A (2448 model)

OVP: Not fitted

OVERLOAD PROTECTION: Current limited, refer to table, with auto recovery

OVER TEMP PROTECTION: Shutdown at high temperature with auto recovery

RIPPLE & NOISE: Typically 250mV pk - pk

REGULATION STATIC: <1%

REGULATION DYNAMIC: <1% for 25% load step

REGULATION LINE: <0.5%

EMC: EN55022 B conducted

OPERATING TEMPERATURE: 0°C to +40°C with additional external heatsink/forced air. Over temperature protection fitted standard

HUMIDITY: 0-90% non-condensing

SHOCK & VIBRATION: MIL std 810 ... option "M" ruggedised

ISOLATION: Input - output: non-isolated, common negative

REMOTE SENSE: Standard on T3M and T3 step down models

MTBF: 500,000 hours

DIMENSIONS - OPEN: T3M: 83 x 65 x 40mm
 T3 & T3SU: 120 x 120 x 32mm

DIMENSIONS - CASE: T3M: 130 x 73 x 53mm
 T3 & T3SU: 160 x 126 x 53mm

CONNECTIONS:
 T3M Series:

| | | | |
|-----|-----|-----|-----|
| +VE | -VE | -VE | +VE |
| IN | IN | OUT | OUT |

 T3/T3SU Series:

| | | |
|-----|-----|-----|
| +VE | -VE | +VE |
| IN | COM | OUT |