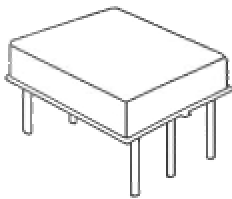


SEMITRONICS

CT-400

SOLID STATE RELAY

50V 2.0 AMP DPST SOLID STATE RELAY



CT-400

FEATURES

- LOW ON RESISTANCE 0.1 OHM
- OPTICAL ISOLATION 500V RRNS
- COMPACT SIZE
- HIGH CURRENT 2.0 AMPS
- CUSTOM OPTIONS AVAILABLE
- AVAILABLE TO MILITARY Y LEVEL SCREENING

APPLICATIONS

- INSTRUMENTATION
- PROCESS CONTROLS
- ROBOTICS
- AUTOMATIC TEST EQUIPMENT
- AUTOMOTIVE APPLICATIONS
- PROGRAMMABLE CONTROLLERS, ETC.

ABSOLUTE MAXIMUM RATINGS		
LED FORWARD CURRENT	STEADY STATE	50 ma
LED FORWARD CURRENT	PEAK 10% DUTY CYCLE	75 ma
LED REVERSE CURRENT	REVERSE CURRENT, -10ua	5 v
OUTPUT VOLTAGE	OPEN CIRCUIT	60V
OUTPUT CURRENT	I _{LED} = 50ma	2.5 A
OPERATING TEMPERATURE		-55 C TO +125C
STORAGE TEMPERATURE		-55 C TO +125C
ISOLATION VOLTAGE		500 V DC

DESCRIPTION

THE **CT-400** IS A TWO POLE SINGLE THROW SOLID STATE RELAY WITH A COMMON OUTPUT CONFIGURATION. TYPICAL APPLICATIONS INCLUDE BATTERY BACK-UP SWITCHING. EACH OUTPUT HAS A LIGHT-EMITTING DIODE TO CONTROL IT'S ON/OFF FUNCTION. THE OUTPUT ELEMENTS FOR EACH CHANNEL ARE HIGH CURRENT MOS TRANSISTORS, THE RELAY IS SEALED IN A 6 PIN HERMETIC METAL PACKAGE, WITH STANDARD DIP SPACING.

ADDITIONAL OPTIONS OF ON RESISTANCE AND OUTPUT VOLTAGE ARE ALSO AVAILABLE AS WELL AS COMMERCIAL GRADE RELAYS. PLEASE CONSULT OUR SALES DEPARTMENT FOR FURTHER INFORMATION REGARDING SPECIFIC REQUIREMENTS. FULL CUSTOM DESIGN SERVICES ARE ALSO AVAILABLE.

