

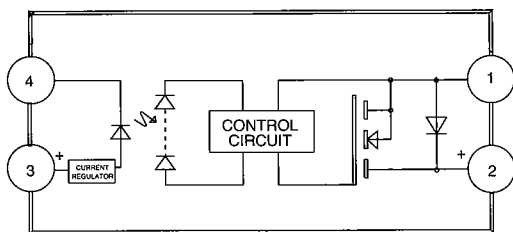
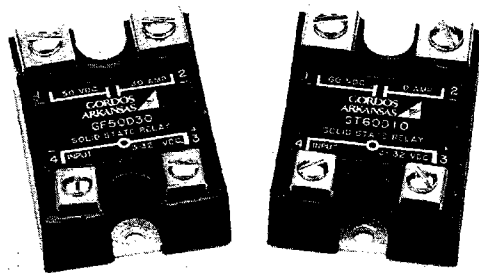
GORDOS

SOLID STATE RELAYS

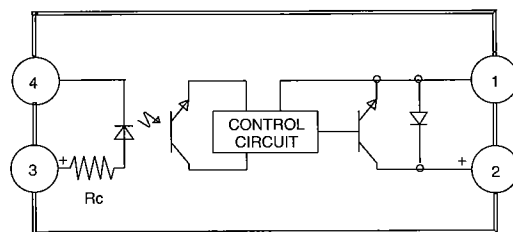
DC OUTPUT SOLID STATE RELAYS

GF SERIES FET OUTPUT

- Long Life Switching of DC Loads to 30 A
- 10 μ A Leakage Current Permits Reliable Switching of Sensitive Devices
- Milliohm On-Resistance Minimizes Voltage Drop, Heat Dissipation
- Versatile High or Low-Side Switching
- Output FET Protected Against Transients
- 1500 VAC Optical Isolation
- Output Voltage Range Suitable for Many Applications
- 3 to 32 VDC Input Compatible with Most Logic Circuits



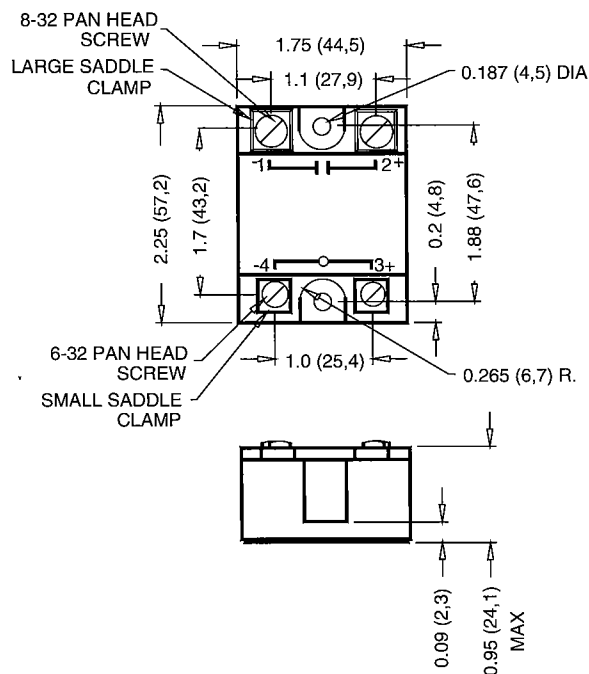
GF SERIES EQUIVALENT CIRCUIT



GT SERIES EQUIVALENT CIRCUIT

GT SERIES TRANSISTOR OUTPUT

- Long Life Switching of DC Loads to 10 A
- Output Voltage Range Suitable for Many Applications
- Versatile High or Low-Side Switching
- 3 to 32 VDC Input Compatible with Most Logic Circuits
- 4 KV Optical Isolation
- Fast 25 μ Sec Maximum Turn-On Time
- Cost Effective General Purpose DC SSR



DIMENSIONS: INCHES (MILLIMETERS)
TOLERANCE: ± 0.020 ($\pm 0,50$)

Products and specifications subject to change without notice.
Consult factory for application assistance.

1000 N. SECOND ST., ROGERS, AR 72756 USA / TEL: 800-643-3500 / 501-636-5000 / FAX: 501-636-2305

GORDOS

SOLID STATE RELAYS

DC OUTPUT SOLID STATE RELAYS

MODEL NUMBER	GF50D30	GF100D15	GF200D10	GT60D10
OUTPUT SPECIFICATIONS (1)				
Voltage Range, VDC	1-50	1-100	1-200	3-60
Rated Current, ADC (2)	30	15	10	10
Maximum Surge Current, ADC (3)	160	100	90	20
Minimum Current, mADC	0.1	0.1	0.1	10
Maximum Off-State Leakage, mADC (4)	0.01	0.01	0.01	1.0
Maximum On-State Voltage Drop or	-	-	-	1.5V
On-State Resistance (5)	50 mΩ	90 mΩ	90 mΩ	-
R _{θja} (°C/Watt)	2.3	4.6	4.4	4.3

INPUT SPECIFICATIONS (1)

Voltage Range, VDC	3-32	3-32	3-32	3-32
Turn-Off Voltage, VDC	1.0	1.0	1.0	1.0
Typical Current, mA (6)	12	12	12	4.0
Maximum Current, mA (7)	18	18	18	33
Nominal Resistance, Ohms (8)	See note 11	See note 11	See note 11	1K

GENERAL SPECIFICATIONS (1)

Operating Temperature Range, °C	-20 to 80	-20 to 80	-20 to 80	-20 to 80
Storage Temperature Range, °C	-40 to 100	-40 to 100	-40 to 100	-40 to 100
Maximum Turn-on Time, mSec (9)	2.0	2.0	2.0	0.025
Maximum Turn-off Time, mSec (10)	0.1	0.1	0.1	0.2
Maximum PWM Frequency, Hz	250	250	250	N/A
Input/Output Isolation, VAC (12)	1500	1500	1500	4000
Input/Output to Base Isolation, VAC (12)	2500	2500	2500	2500
Input/Output Capacitance, pF (typical)	8	8	8	8

Notes:

- (1) Specifications apply to an ambient temperature of -20 to 80° C unless otherwise noted.
- (2) See thermal dissipation/derating chart for heat sinking requirements.
- (3) 10 μSec duration, non-repetitive, at 25° C for GF Series; 1 second, non-repetitive or 6 mSec pulse, 50% duty cycle at 25° C for GT Series.
- (4) At maximum voltage and 25° C for GF Series; 80° C for GT Series.
- (5) At rated current, 25° C.
- (6) At 5 VDC, 25° C.
- (7) At maximum input voltage, 25° C.
- (8) +/- 10% at 25° C not including effect of internal series-connected LED.
- (9) At maximum output voltage, rated output current, 25° C, and 5 VDC input voltage for GF Series; 3 VDC input voltage for GT Series.
- (10) At maximum input voltage, rated output current, maximum output voltage, 25° C.
- (11) Input to GF series SSR's is regulated and current limited.
- (12) At 25° C for 1 second maximum duration.

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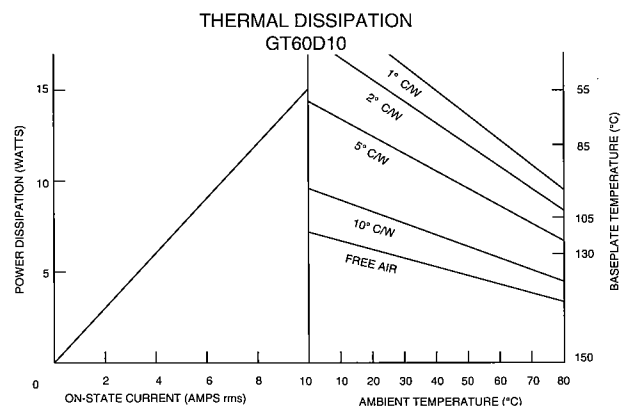
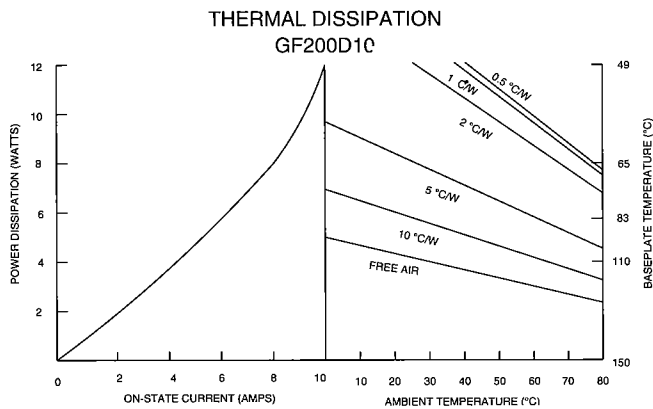
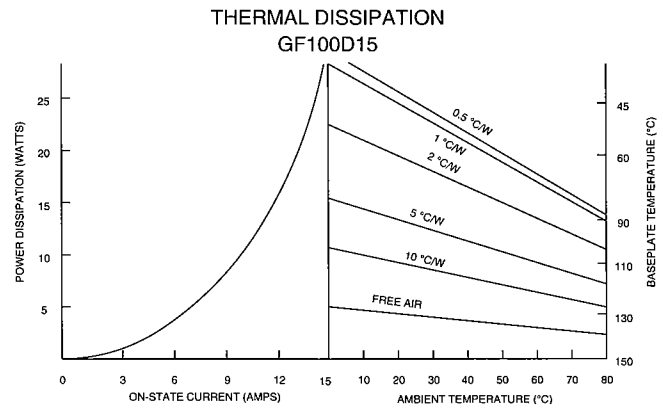
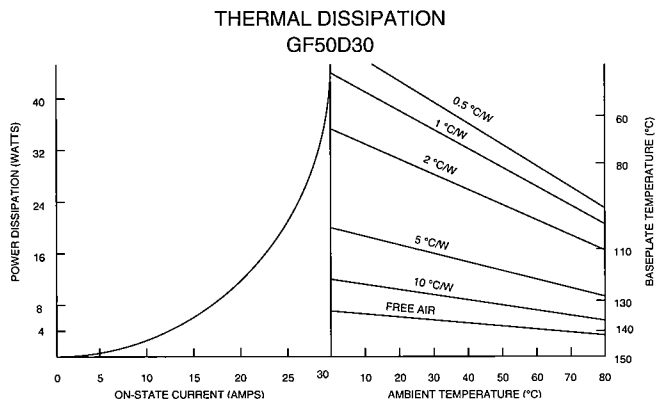
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SOLID STATE RELAYS

GF, GT THERMAL DISSIPATION CURVES

(refer to heat transfer/heat sink description for additional information)



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