

OUTPUT SPECIFICATION

LOAD CURRENT (RMS)	75mA TO 1A (SEE FIGURE 1)
LOAD VOLTAGE RANGE (RMS)	24 TO 140 VOLTS
SURGE CURRENT (PEAK)	10 AMPERES (• 60 HZ 1 CYCLE)
TRANSIENT PROTECTION (STATIC DV/DT) NOT TO EXCEED THE BLOCKING VOLTAGE	3000 VOLTS/ μ S TYPICAL MEASURED UNDER OPEN CIRCUIT CONDITIONS PER SVV1656.
TURN-ON TIME	1/2 CYCLE MAXIMUM
TURN-OFF TIME	1/2 CYCLE MAXIMUM
ZERO VOLTAGE OFFSET (PEAK)	8 VOLTS MAXIMUM
"OFF" STATE LEAKAGE CURRENT (RMS)	1mA
ON STATE VOLTAGE DROP (PEAK)	3.0 VOLTS MAXIMUM
TYPICAL POWER DISSIPATION	1 WATT/AMP
BLOCKING VOLTAGE (PEAK)	600 VOLTS MINIMUM
LOAD POWER FACTOR	0.7 MINIMUM
FREQUENCY RANGE	25 TO 70 HZ
THERMAL RESISTANCE (R _{θJA})	37°C/WATT TYPICAL

INPUT SPECIFICATION

CONTROL VOLTAGE RANGE	3 TO 10 VDC
CONTROL CURRENT • 5 VDC	9 mA TYPICAL
DROP OUT VOLTAGE	1.0 VDC MINIMUM
AVERAGE INPUT IMPEDANCE	430 OHMS
REVERSE CONTROL VOLTAGE	6 VDC MAXIMUM
INPUT CAPACITANCE	35 pF TYPICAL

GENERAL CHARACTERISTICS

INSULATION RESISTANCE INPUT TO OUTPUT	10 ¹⁰ OHMS MINIMUM
DIELECTRIC STRENGTH INPUT TO OUTPUT	3750 VAC (RMS) MINIMUM
INPUT TO OUTPUT CAPACITANCE	6 pF TYPICAL
VIBRATION	20 G'S PEAK OR .06" DOUBLE AMP-LITUDE 10-2000 HZ PER MIL-STD-202, METHOD 204, CONDITION D
MECHANICAL SHOCK	1500 G'S 0.5 ms HALF-SINE PER MIL-STD-202, METHOD 213, CONDITION F
STORAGE TEMPERATURE RANGE	-40°C TO +125°C
OPERATING TEMPERATURE RANGE	-40°C TO +85°C
WEIGHT	15 GRAMS

NOTES:

1. ALL DIMENSIONS ARE IN INCHES AND ALL UNSPECIFIED TOLERANCES ARE \pm .010.
2. ALL SPECIFICATIONS ARE MEASURED AT 25°C STANDARD CONDITIONS.
3. APPLICATION OF MAXIMUM SURGE CURRENT MAY NOT BE REPEATED UNTIL THE RELAY TEMPERATURE HAS RETURNED TO ITS STEADY STATE VALUE.
4. PARTS TO BE CONFORMAL COATED PRIOR TO FINAL TEST.
5. THIS IS A U.L. RECOGNIZED COMPONENT PER FILE #E58632, VOL. 1, SECTION 9.
6. P/N, OUTPUT RATINGS, AND DATE CODE LABEL 70SS1127-77-41 TO BE PLACED AS SHOWN WITHIN LABEL OUTLINE.

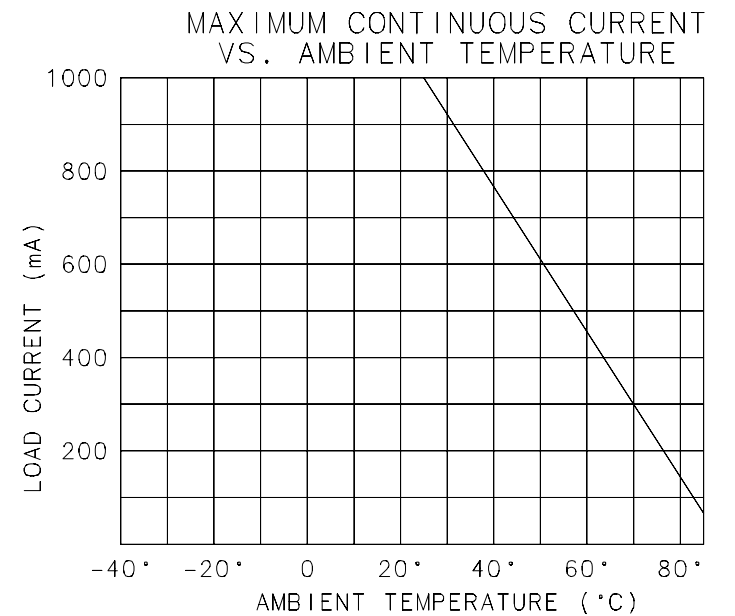
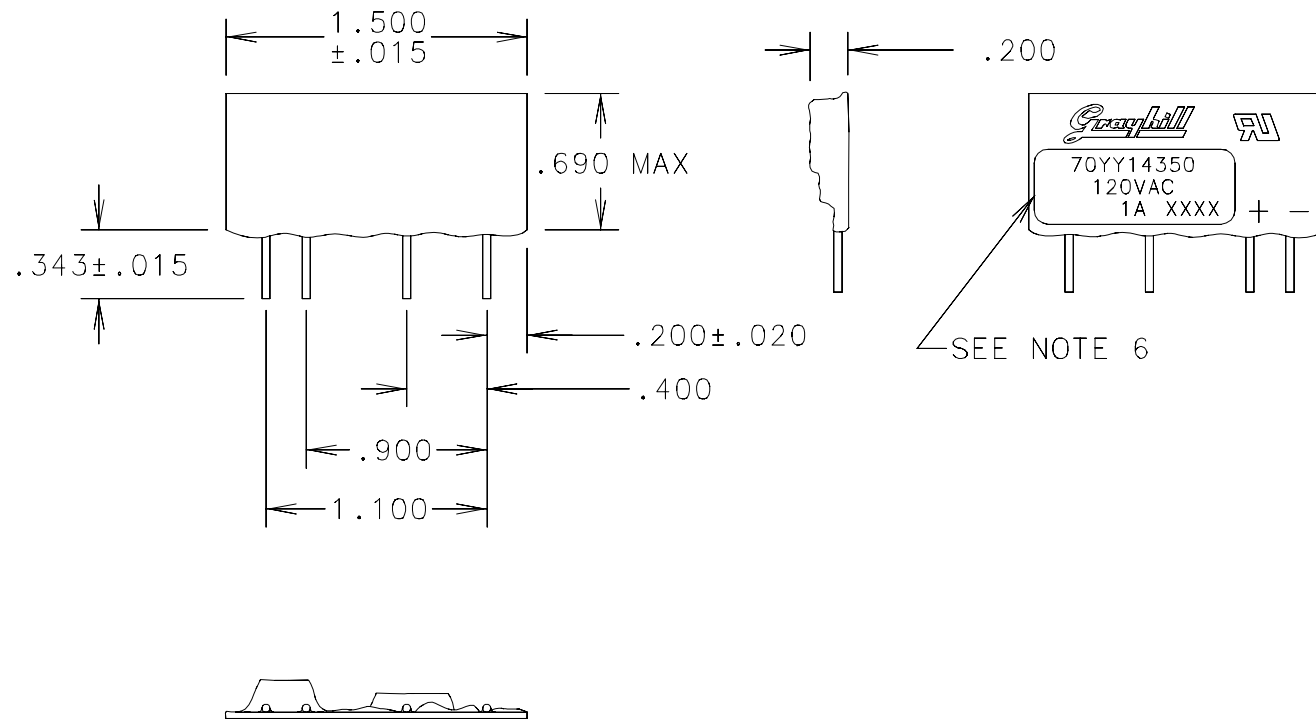


CHART INDICATES CONTINUOUS CURRENT TO LIMIT JUNCTION TEMPERATURES TO 110°C. INFORMATION BASED ON A STEADY STATE HEAT TRANSFER, INSIDE A 2 CUBIC FT. ENCLOSURE UNDER NATURAL CONVECTION.

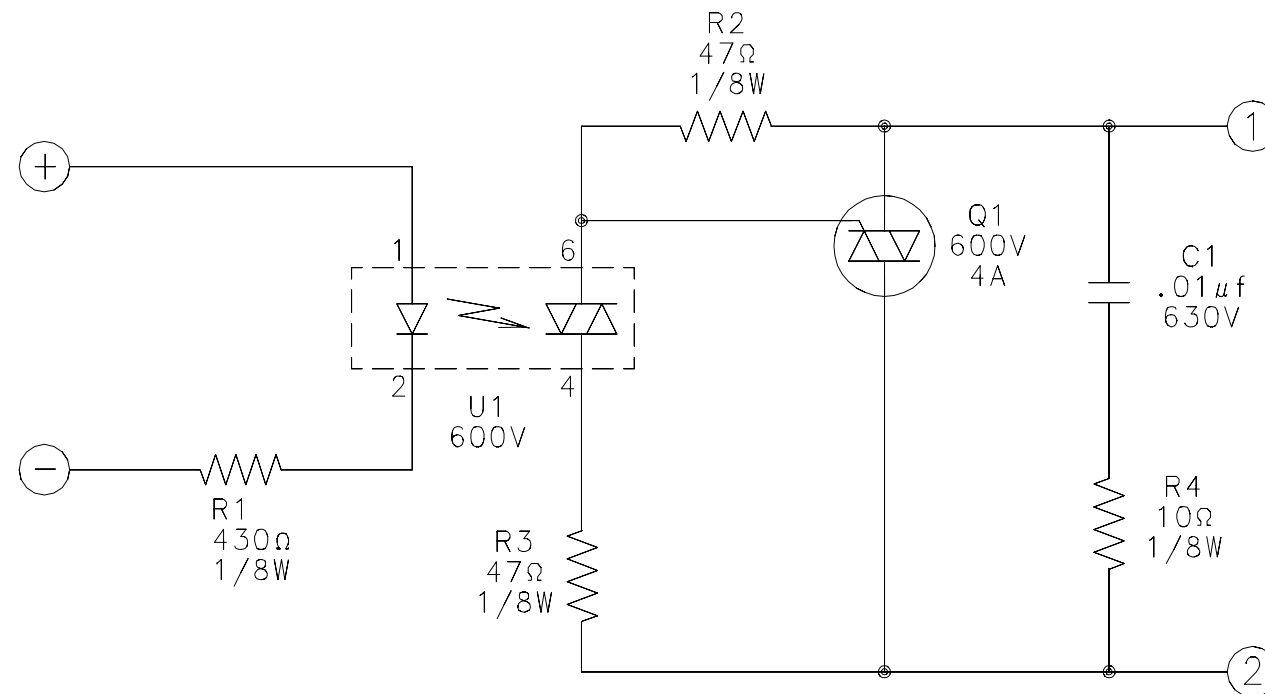
FIGURE 1

ALL REVISIONS TO THIS DRAWING MUST BE MADE ON THE CAD SYSTEM



SEE NOTE 6

ISSUE		APP/DATE		DESCRIPTION	
REVISIONS ON SHT.2					
REVISIONS					
Grayhill		GRAYHILL, INC. 561 HILLGROVE AVE. LA GRANGE, IL 60525 PHONE (708) 354-1040			
MFG. INSTR.					
Q.C. INSTR.					
PRODUCT SPEC.					
DRAWN	DATE	CHECKED	DATE		
BJN	4-17-98	WLB	4-17-98		
CUSTOMER NAME & PART NO.					
ASM SSR 120VAC, 1A, ZERO CROSSING SMALL V-PACK					
CAGE NO. 81073		CADAM DRAWING 70YY14350,A,01,1,1			
B SIZE	DWG. NO. 70YY14350		ISSUE A		
SCALE FULL			SHEET 1 OF 2		



ALL REVISIONS TO THIS DRAWING
MUST BE MADE ON THE CAD SYSTEM

SOLID STATE INSPECTION PROCEDURE

- I. PREPOTTING VISUAL INSPECTION (PER GRAYHILL WORKMANSHIP STANDARDS):
 - A. PROPER COMPONENTS.
 - B. PROPER COMPONENT PLACEMENT.
 - C. PROPER SOLDERING.
- II. FINAL VISUAL INSPECTION:
 - A. PROPER POTTING.
 - B. CORRECT AND LEGIBLE LABEL OR MARKING.
 - C. COSMETIC APPEARANCE
- III. FINAL ELECTRICAL INSPECTION:
- IV. DIELECTRIC INSPECTION: 3750 VAC RMS 1 SECOND MINIMUM
 - A. LOAD TO CONTROL.

A	RWC 6-12-98	CHGD MIN LOAD CURRENT FROM 35mA TO 75mA; ADDED TYPICAL POWER DISSIPATION SPEC., 1 WATT/AMP & ADDED TYPICAL THERMAL RESISTANCE, 37°C/WATT ECN#324112 BJJ 5-15-98
1	RWC 4-17-98	ORIGINAL ISSUE ECN#323698 BJJ 4-17-98
ISSUE	APP/DATE	DESCRIPTION
REVISIONS		
		GRAYHILL, INC. 561 HILLGROVE AVE. LA GRANGE, IL 60525 PHONE (708) 354-1040
MFG. INSTR.		
Q.C. INSTR.		
PRODUCT SPEC.		
DRAWN BJJ	DATE 4-17-98	CHECKED WLB
		DATE 4-17-98
CUSTOMER NAME & PART NO. ASM SSR 120VAC, 1A, ZERO CROSSING SMALL V-PACK		
CAGE NO. 81073	CADAM DRAWING 70YY14350,A,01,1,1	
B SIZE	DWG. NO. 70YY14350	ISSUE A
SCALE FULL		SHEET 2 OF 2