



HOWARD INDUSTRIES, INC.  
Magnetic Ballast Products Division

Model: S0050-02C-111  
HPS Reactor Ballast

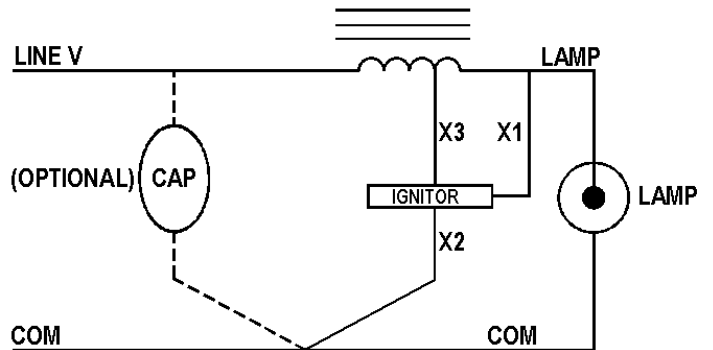
50 Watts  
S-68  
60 Hz Reactor

<b>Input Volts</b>		120 NPF	120 HPF
<b>Circuit Type</b>	Reactor		
<b>Power Factor</b>	>0.9 w/ Cap		
<b>Regulation</b>			
Line Volts	± 5 %		
Lamp Watts	Within Trapezoid		
<b>Line Current (Amps)</b>			
Operating		1.20	0.55
Open Circuit		0	0.90
Starting		1.70	0.90
Recommended Fuse		5	3
<b>UL Temperature Ratings</b>			
Insulation Class	H (180°C)		
Coil Temperature Code	A	A	A
Benchtop Coil Rise	62	62	62
<b>Input Watts</b>		61	61
<b>NOM Open Circuit Volts</b>	120		
<b>Current Crest Factor</b>	1.55		
<b>Input Voltage at Lamp Dropout</b>		60	60
<b>Min Ambient Starting Temp.</b>	-40°F -40°C		
<b>High Potential Test (Volts)</b>			
1 Minute	1240		
1 Second	1490		
<b>Open Circuit Voltage Test (Volts)</b>			
Open Circuit Voltage	114 - 126		
Input Current	min	-	0.70
	max	-	1.10
<b>Short Circuit Current Test (Amps)</b>			
Secondary Current	1.45 - 2.20		
Input Current	min	1.45	0.60
	max	2.20	1.10
<b>Core and Coil Specifications</b>			
Dimension A"	0.90"		
Dimension B"	1.80"		
Weight (lbs.)	1.43		
Lead Lengths (in)	12		
<b>Capacitor Specifications</b>			
Microfarads	20.0		
Volts (min.)	120		
	<b>Oval OIL Filled</b>	<b>DRY Film</b>	
Case Size (in.)	1.77 x 2.8	1.77	
Height (in.)	3.54	4.61	
Temp Rating °C	90	100	
<b>Starter Specifications</b>			
Model Number	ST2001		
BTL	2		
Temp Rating °C	105		

Rev Date: New 3/29/04

Test Num. Ref.:

Wiring Diagram Number 1091-912000-004



Outside Dimensions Drawing TBA

ISO-View of Core Coil TBA

Oil Capacitor Can Drawing 1011-007500-003

Dry Capacitor Can Drawing 1012-007500-001

Starter Case Drawing 1090-912001-001



Specifications subject to change without notice.

Howard Industries, Inc. Ballast Products Division P.O. Box 1590 Laurel, MS 39441  
Phone: 1-800-956-3456 Fax: (601) 422-1652 www.howard-ballast.com

