

# GR6HBA318

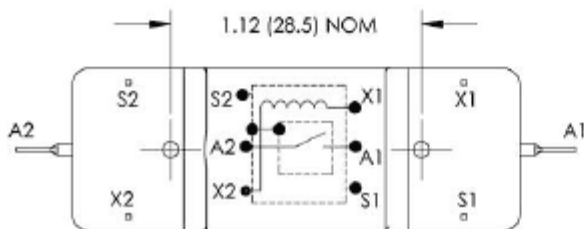
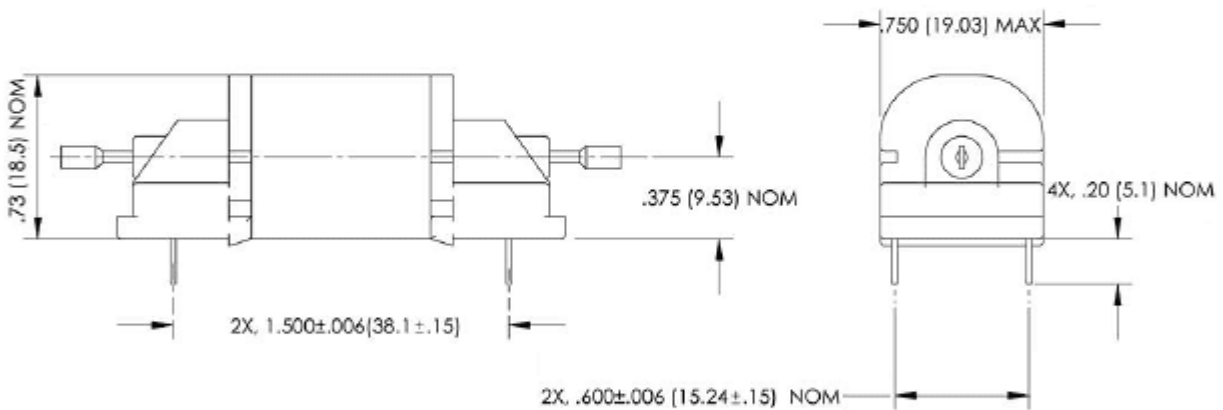
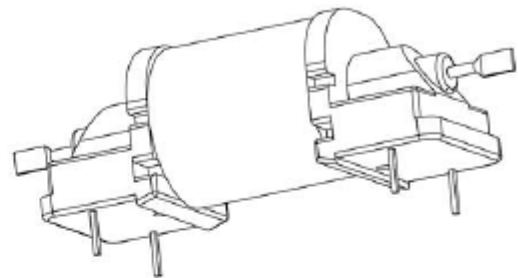
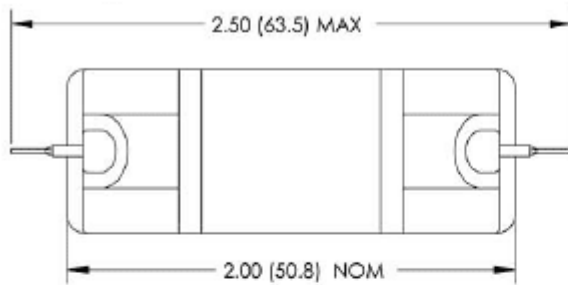
# 7 kV

No Load Switching  
 RoHS Compliant, date code 0701 and later



FEATURES
• RF efficient design offers high power handling in a small package
• RF screens help assure interference free operation when relays are mounted side by side
• High voltage solder connections provide additional external isolation from PC boards
• Mechanical life of 100 million operations is ideal for high speed, long life RF switching
• Vacuum dielectric offers low stable contact resistance

- NOTES:
1. DIMENSIONS IN PARENTHESIS ARE IN MM.
  2. PIN DIMENSIONS ARE .024 (.61) NOM. SQUARE.
  3. RECOMMENDED PCB HOLES .043 (1.0).



PRODUCT SPECIFICATIONS		
Contact & Relay Ratings	Units	GR6HBA318
Contact Form		A
Contact Arrangement		SPST-NO
<b>Voltage Ratings</b>		
Between Contacts	kV Peak	7
Contacts to Coil	kV Peak	7
Contacts to Screen	kV Peak	7
Coil to Screen	kV Peak	.5
<b>Current Carry , Max.</b>		
@ DC	Amps	10
@ 30 Mhz	Amps	6
Contact Resistance	Ohms	0.050
<b>Capacitance</b>		
Across Open Contacts	pF	0.4
Closed Contacts to Ground	pF	5
Initial Insulation Resistance	GigaOhms	10
Operate Time*	ms	2
Release Time*	ms	1
Mechanical Life	cycles	100 million
Weight, Nominal	g (oz)	24 (0.85)
Vibration, Operating, Sine(10-500 Hz Peak)	G's	20
Shock, Operating, 1/2 Sine 11ms (Peak)	G's	100
<b>Temperature Range</b>		
Operating	°C	-40 to +85
Storage	°C	-55 to +125

COIL RATINGS		
Volts, Nominal	Units	GR6HBA318
Volts, Nominal	Vdc	24
Voltage, Max.	Vdc	31
Pickup, Max.	Vdc	15
Dropout, Max.	Vdc	2
<b>Coil Resistance</b>		
RF Screen, Inner	Pin #	S1
RF Screen, Outer	Pin #	S2

\*Operate and release times are with external diode suppression, @ 25°C.

For more information, refer to  
[Relay User Instructions](#)

03/02/10

