SIDAC

( )

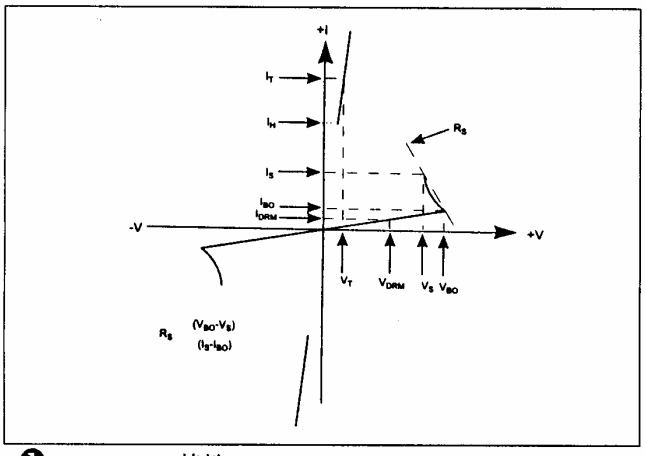
Electrical parameters

Part Number ( )	**VBO** Breakover Voltage (Instantaneous Clamping voltage) ( ) (V) Min.	Max.	**IBO** Breakover Current ( ) (A) Max.	**VDRM** Blocking Voltage ( ) (V) Min.	**IDRM** Peak Off-State Current at VDRM A) (Max.)	**IT** Continuous On-State DC or RMS Current (A) ( ) Max.	**IH** Holding Current ((mA)) Max.	**VTM** Peak On-State Voltage IT=1A (V) Max. ( )
K105	95	113	10	75	5	1.0	100	1.5
K110	104	118	10	85	5	1.0	100	1.5
K120	110	125	10	90	5	1.0	100	1.5
K130	120	138	10	95	5	1.0	100	1.5
K140	130	146	10	105	5	1.0	100	1.5
K150	140	170	10	115	5	1.0	100	1.5
K195	165	190	10	130	5	1.0	100	1.5
K200	190	215	10	150	5	1.0	100	1.5
K220	205	230	10	165	5	1.0	100	1.5
K240	220	250	10	175	5	1.0	100	1.5
K250	240	280	10	190	5	1.0	100	1.5
K300	270	330	10	215	5	1.0	100	1.5

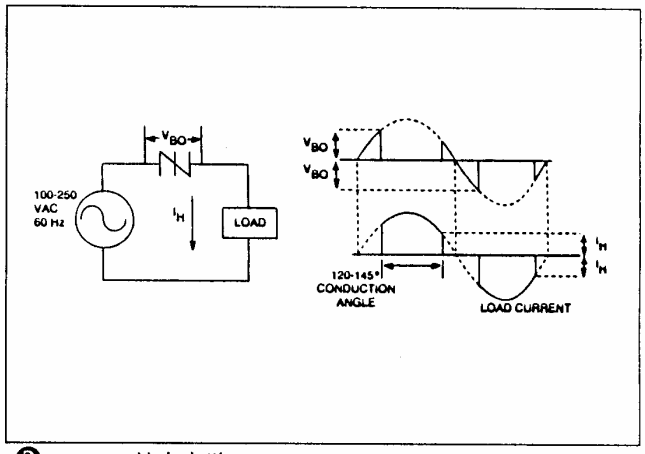
Series ( )	**Ipp** Peak Pulse Current Tj<150℃ ((A)) (10 160 s) Max	(10 560 s) Max	(10 1000 s) Max	**ITSM** Peak One Cycle(Sinusoidal) Surge Current ((A)) 60Hz	50Hz	**di/dt** Critical Rate of Rise of On-State Current ((A/ s)) Typ
K	60	35	35	20	16.7	150

(Package): DO-15 (or DO-201A)

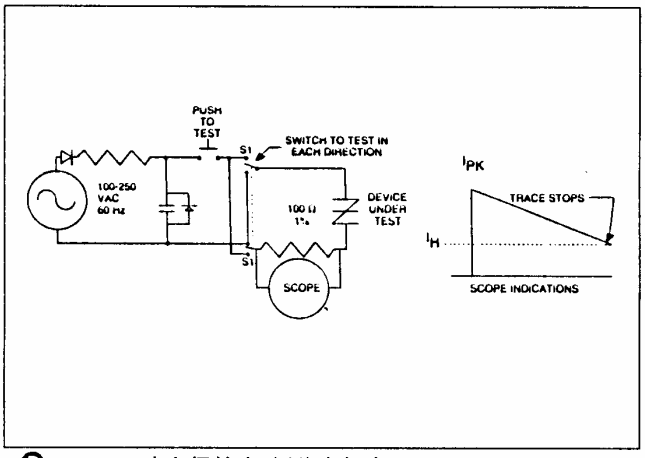
Wuxi Xuyang Electronics Co.,LTD



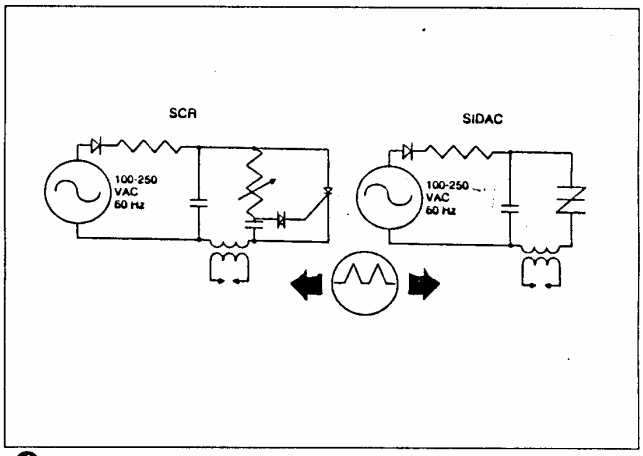
❶ SIDAC V-I 特性



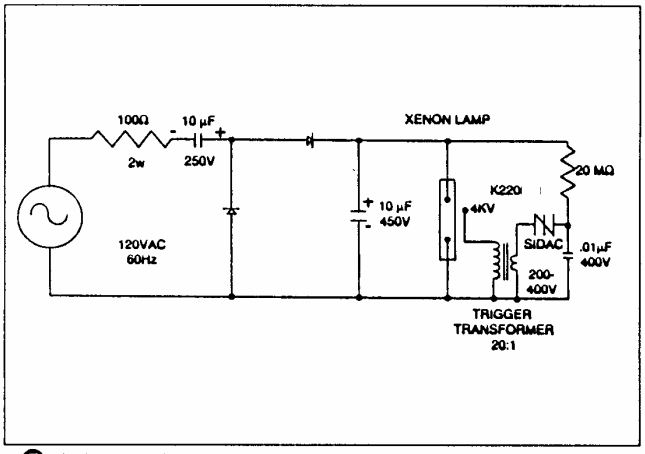
❷ SIDAC 基本电路



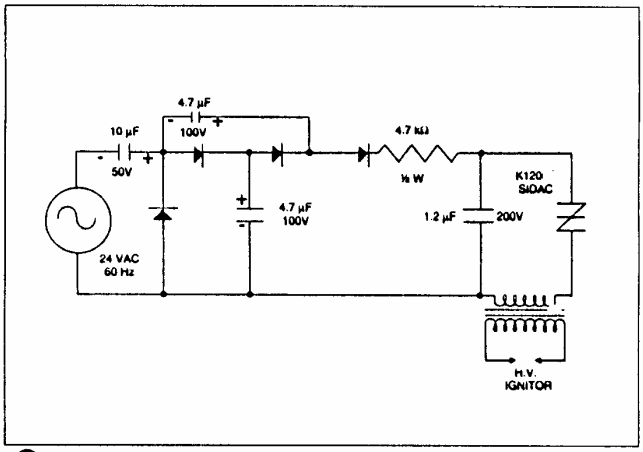
❸ SIDAC 动态保持电流测试电路



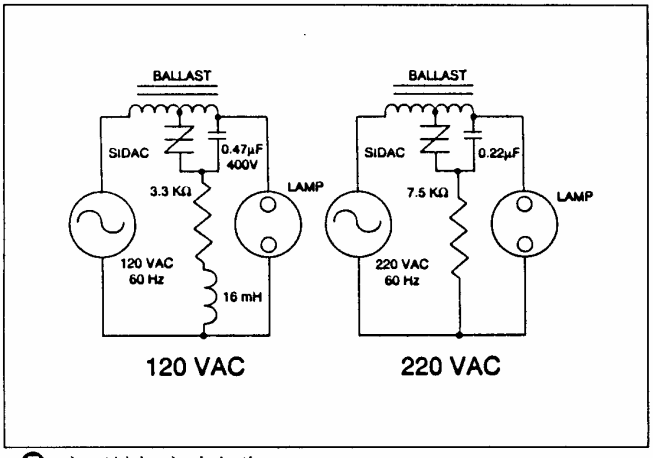
❹ SIDAC 与可控硅的比较



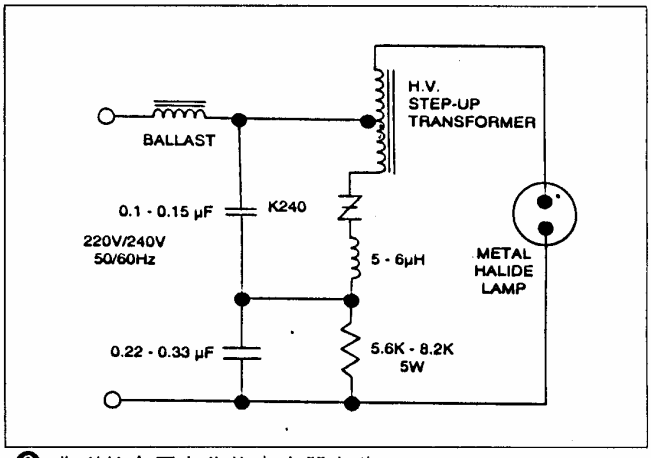
❺ 氙灯闪光电路



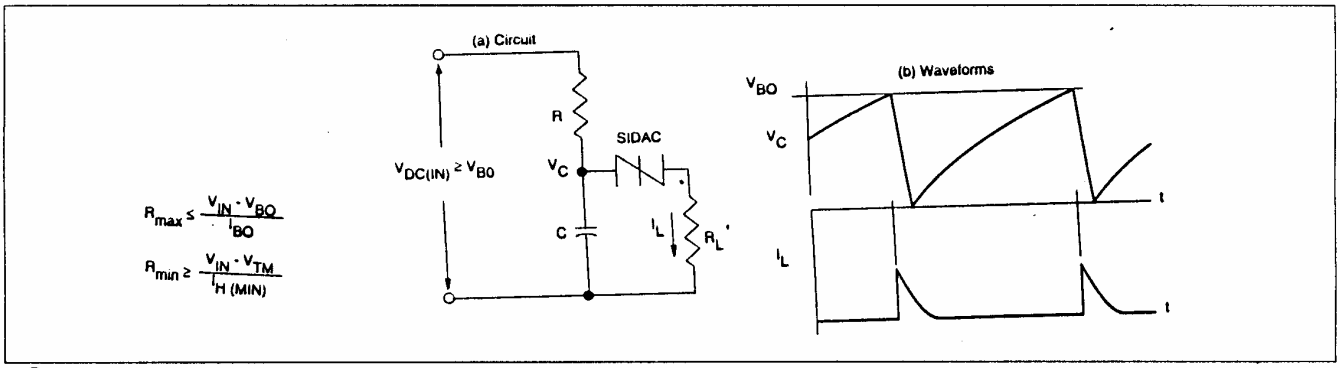
❻ 点火器电路 (低压输入)



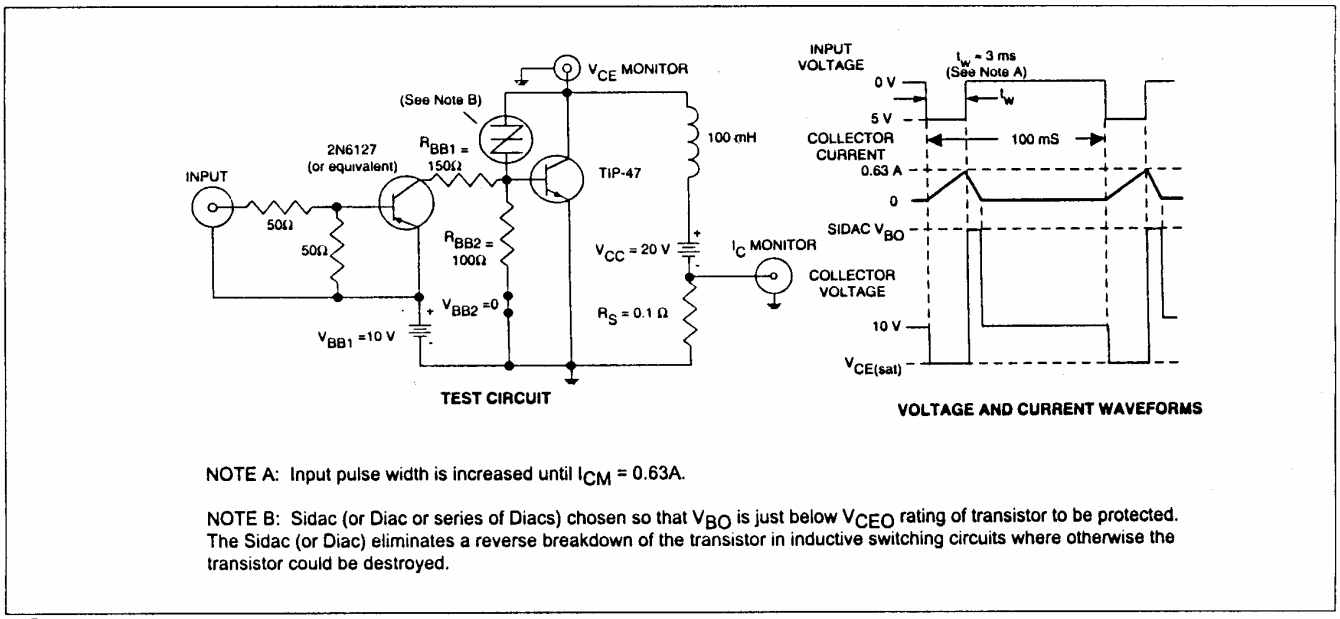
❼ 高压钠灯启动电路



❽ 典型的金属卤化物点火器电路



❾ SIDAC 弛张振荡器电路



NOTE A: Input pulse width is increased until I_{CM} = 0.63A.

NOTE B: Sidac (or Diac or series of Diacs) chosen so that V_{BO} is just below V_{CEO} rating of transistor to be protected. The Sidac (or Diac) eliminates a reverse breakdown of the transistor in inductive switching circuits where otherwise the transistor could be destroyed.

❿ SIDAC 对三极管电感负载开关电路的保护