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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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3-1 Thyristors

Thyristors

Part Number	Absolute Maximum Ratings												I _{RRM} I _{IDRM} (mA) max	Conditions T _j (°C)
	V _{RSM} V _{DSM} (V)	V _{RRM} V _{DRM} (V)	I _T (AV) (A)	Conditions T _c (°C)	I _T (RMS) (50Hz) (A)	I _{TSM} 50Hz Single Half Sine Wave, Default T _j =125°C (A)	P _{GM} (W)	P _G (AV) (W)	V _{RGM} (V)	I _{FGM} (A)	T _j (°C)	T _{stg} (°C)		
	TF541S-A	500	400	5.0	88	7.8	80	5.0	0.5	5.0	2.0	-40 to +125		
SLA0201	650	600	5 × 4		7.8	80	5.0	0.5	5.0	2.0	-40 to +125	2.0	125	
TF561S-A	700	600	5.0	88	7.8	80	5.0	0.5	5.0	2.0	-40 to +125	2.0	125	
TFA37S	-	700	3.0	127	4.7	60	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	
TFA57S	-	700	5.0	115	7.8	80	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	
TFA87S	-	700	8.0	98	12.6	120	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	
TFA107S	-	700	10	86	15.7	160	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	
TFA38S	-	800	3.0	50	4.7	60	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	
TFA58S	-	800	5.0	50	7.8	80	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	
TFA88S	-	800	8.0	50	12.6	120	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	
TFA108S	-	800	10	50	15.7	160	5.0	0.5	5.0	2.0	-40 to +150	2.0	150	

3-Pin Reverse Conducting Thyristors for HID Lamp Ignition

Part Number	Absolute Maximum Ratings										I _{IDRM} (mA) max	Conditions T _j (°C)	V _{TM} (V) max	Conditions	
	V _{DRM} (V)	I _{TRM} *1 (A)	di/dt*1 (A/μs)	P _{GM} (W)	P _G (AV) (W)	V _{RGM} (V)	I _{FGM} *2 (A)	I _{FRM} (A)	T _j (°C)	T _{stg} (°C)				T _c (°C)	I _{TM} (A)
	TFC563D	600	500	1500	5.0	0.5	5.0	2.0	450	-40 to +125				1.0	125

*1: T_c≤100°C, V_D≤430V, W_p≤1.0μs, I_G≥70mA, dig/dt≥0.5A/μs, 100kcycles

*2: T_c≤100°C, V_D≤430V, W_p≤1.0μs, 100kcycles

Electrical Characteristics																	Package	Mass g
V _{TM} (V) max	Conditions T _c (°C) I _{TM} (A)		V _{GT} (V)		I _{GT} (mA)		Conditions T _c (°C)	V _{GD} (V) min	T _j (°C)	Conditions V _D (V)	dv/dt (V/μs) typ	Conditions T _j (°C)	V _D (V)	I _H (mA) typ	R _{th} (°C/W) max	TO220F		
	typ	max	typ	max	typ	max	typ	typ	typ	typ	typ	typ	typ	typ	typ			
1.4	25	10		1.5	0.03	0.2	25	0.1	125	1/2V _{DRM}	20	125	1/2V _{DRM}	4.0	4.0	TO220F	2.0	
1.4	25	10	0.7	1.5	5.0	10	25	0.1	125	1/2V _{DRM}	50	125	1/2V _{DRM}	4.0		SIP12 with Fin (SLA12Pin)	6.0	
1.4	25	10		1.5	0.03	0.2	25	0.1	125	1/2V _{DRM}	20	125	1/2V _{DRM}	4.0	4.0	TO220F	2.0	
1.5	25	10	—	1.0	7.0	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	15	4.1	TO220F	2.0	
1.5	25	15	—	1.0	7.0	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	15	3.8	TO220F	2.0	
1.4	25	20	—	1.0	7.0	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	20	3.5	TO220F	2.0	
1.35	25	20	—	1.0	7.0	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	20	3.4	TO220F	2.0	
1.5	25	10	—	1.0	—	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	15	4.1	TO220F	2.0	
1.5	25	15	—	1.0	—	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	15	3.8	TO220F	2.0	
1.5	25	20	—	1.0	—	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	20	3.5	TO220F	2.0	
1.35	25	20	—	1.0	—	15	25	0.2	125	1/2V _{DRM}	300	125	1/2V _{DRM}	20	3.4	TO220F	2.0	

Electrical Characteristics												Package	Mass (g)
V _{GT} (V)		I _{GT} (mA)		Conditions T _c (°C)	V _{GD} (V) min	Conditions T _j (°C) V _D (V)		I _H (mA) typ	R _{th} (°C/W) max	V _F (V) max	Conditions IF (A)		
typ	max	typ	max	typ	typ	typ	typ	typ	typ	typ	typ		
	1.5		30	25	0.1	125	480	12	4.0	1.4	10	TO-220S	1.5

