



JST134QP-600D 4A TRIAC

Rev.A.1.0

The JST134QP-600D triac is a 4A, 600V, 1.5W, 1.507 0 5d (.0)Tj 0C /P <</MCID 2 >

(T_j=25 unless otherwise specified)

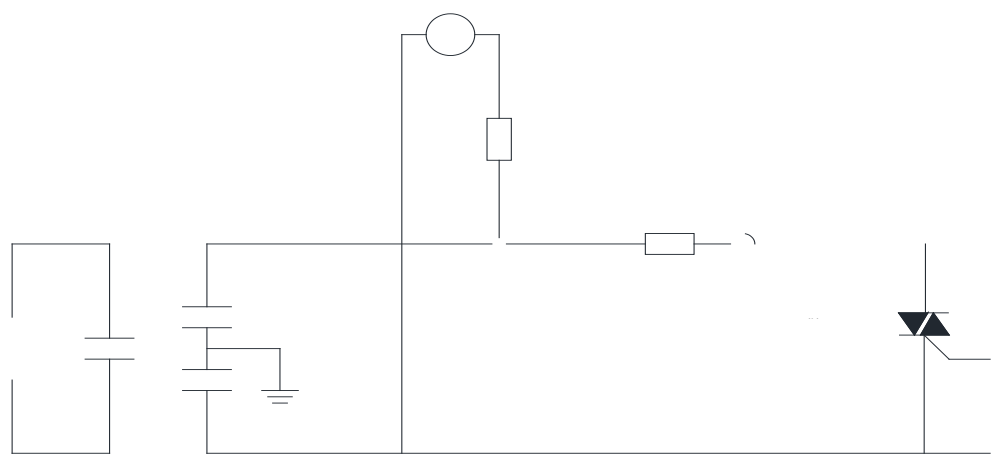
Symbol	Test Condition	Quadrant	Value		Unit
I _{GT}	V _D =12V R _L =33	- -	MAX.	5	mA
				10	
V _{GT}		ALL	MAX.	1	V
V _{GD}	V _D =V _{DRM} T _j =125 R _L =3.3k	ALL	MIN.	0.2	V
I _L	I _G =1.2I _{GT}	- -	MAX.	10	mA
				20	
I _H	I _T =100mA		MAX.	7	mA
dV/dt	V _D =400V Gate Open T _j =110		MIN.	120	V s
(dV/dt) _c	(dI/dt) _c =1.8A/ms, T _j =110		MIN.	2.5	
t _{on}	I _G =20mA I _A =200mA I _R =20mA T _j =25		TYP.	2.5	s
t _{off}				25	

Symbol	Parameter		Value(MAX.)	Unit
V _{TM}	I _{TM} =5A t _p =380 s	T _j =25	1.55	V
V _{TO}	Threshold voltage	T _j =125	0.92	V
R _D	Dynamic resistance	T _j =125	107	
I _{DRM}	V _D =V _{DRM} V _R =V _{RDM}	T _j =25	5	A
I _{RRM}		T _j =125	0.25	mA

Symbol	Parameter	Value	Unit
R _{th(j-c)}	junction to case (AC)	7.0	/W
R _{th(j-a)}	junction to ambient (AC)	150	/W

JST134QP-600D

FIG.7 Test circuit for inductive and resistive loads to IEC-61000-4-5 standards



JST134QP-600D

