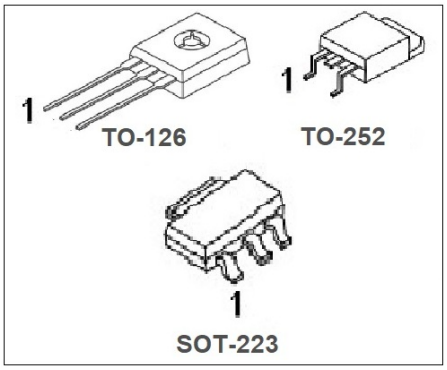
鼎德丰
DING DE FENG

TRIAC

BT134

FEATURES

This device of sensitive TRIAC product is a glass passivated device, has a low gate trigger current, high stability in gate trigger current to variation of operating temperature and high off state voltage.

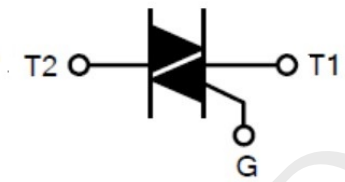


Package	Pin assignment		
	1	2	3
All	T1	T2	G

APPLICATIONS

This device is suitable for low power AC switching application,phase control application such as fan speed and temperature modulation control, lighting control and static switching relay.

SYMBOL:



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	VALUE		UNIT
Repetitive Peak Off-State Voltages	$V_{DRM,}$ V_{RRM}	BT134(S)-D/E	600	V
		BT134(S)-D/E	800	
RMS on-State Current	$I_{T(RMS)}$	4		A
Non-Repetitive Peak On-State Current	I_{TSM}	25		A
I^2t for fusing	I^2t	3.5		A^2s
Repetitive rate of rise of on-state current after triggering	dIT/dt	I	50	A/uS
		II	50	
		III	50	
		IV	10	
Peak gate current	I_{GM}	2		A
Peak Gate Power	P_{GM}	5		W
Average Gate Power	$P_{G(AV)}$	0.5		W
Operating junction temperature	T_J	-40~+125		℃
Storage Temperature	T_{STG}	-40 ~ +150		℃

ELECTRICAL CHARACTERISTICS (TJ=25°C)

PARAMETER	SYMBOL	TEST CONDITIONS		MIN	MAX		UNITS
					D	E	
Peak Repetitive Forward or Reverse Blocking Current	I_{DRM} I_{RRM}	V_{AK} = Rated V_{DRM} or V_{RRM};			5		uA
Gate Trigger Current	I_{GT}	V_D=12V, R_L=100Ω	I		5	10	mA
			II		5	10	
			III		5	10	
			IV		10	25	
Gate Trigger Voltage	V_{GT}	V_D=12V, R_L=100Ω			1.5		V
Peak Forward On-State Voltage	V_{TM}	IT=4.0A			1.5		V
Latch Current	I_L	I_{GT}=1.2I_{GT}	I		15	15	mA
			II		20	25	
			III		15	15	
			IV		15	15	
Holding Current	I_H	I_T=0.1A			12	12	mA
Gate Non-Trigger Voltage	V_{GD}	V_D=V_{DRM}		0.2			V
Critical Rate of Rise of Off-State Voltage	dV/dt	V_D=67%V_{DRM}, R_{GK}=1kΩ		50			V/μs