

MICRO ELECTRONICS

BT136

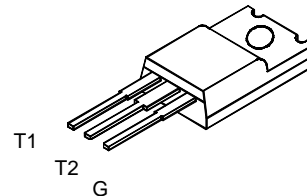
4A TRIAC

DESCRIPTION

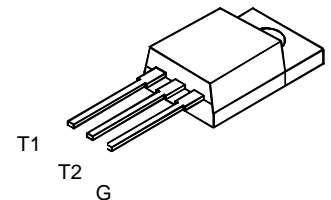
*The BT136 can be used in circuits of frequency conversion, voltage adjust and control.

*It is very suitable for such applications as air conditioner, washer, microwave oven, fanner, and drinker,...

T0-220F



T0-220



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Off-State & Reverse Voltage Tc=125°C	V_{DRM} & V_{RRM}	600	V
RMS on-state current (full sine wave)	$I_{T(RMS)}$	4	A
Non repetitive surge peak on-state current (full cycle, Tj initial = 25°C)	I_{TSM}	40	A
Junction temperature	T_j	110	°C
Storage junction temperature range	T_{stg}	-40~150	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C, unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Max	Unit	
Repetitive peak off-state Voltage Tc=125°C	V_{DRM}	$I_D=100\mu A$	600		V	
Repetitive peak Reverse Voltage Tc=125°C	V_{RRM}	$I_R=100\mu A$	600		V	
Repetitive Peak Off-State Current	I_{DRM}	$V_{DRM}=520V$		10	μA	
Maximum On-state Voltage	V_{TM}	$I_T=5.5A$		1.7	V	
DC Holding Current	I_H	$I_T=0.1A, I_{GT}=20mA$		15	m A	
DC Gate-Trigger Current	I	I_{GT}	$V_D=12V$ $R_L=100\Omega$	T2(+), G(+)	15	m A
	II			T2(+), G(-)	15	m A
	III			T2(-), G(-)	15	m A
	IV			T2(-), G(+)	-	-
DC Gate-Trigger Voltage	I	V_{GT}	$V_D=12V$ $R_L=100\Omega$	T2(+), G(+)	1.5	V
	II			T2(+), G(-)	1.5	V
	III			T2(-), G(-)	1.5	V
	IV			T2(-), G(+)	-	-



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