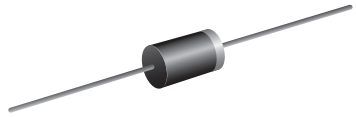
TPA62-TPA270

AXIAL LEADED TPA SERIES



Features

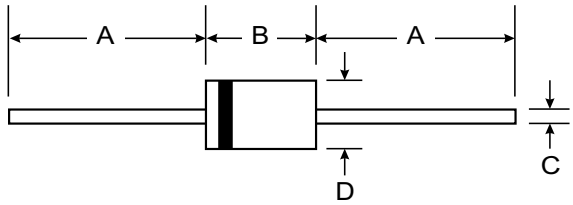
- Bidirectional Crowbar Protection
- Voltage Range:From62v - 270v
- Holding Current: I_H = 150mA min.
- Repetitive Peak Pulse Current:

  I_{PP} = 50 A, 10/1000 µs.

Mechanical Data

- Case : DO-15 Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- Weight : 0.465 gram

RoHS COMPLIANT



DO-15		
Dim	**Min**	**Max**
A	25.40	—
B	5.50	7.62
C	0.686	0.889
D	2.60	3.60
All Dimensions in mm		

Maximum Ratings @ T_A = 25°C unless otherwise specified

Symbol	Parameter		Value	Unit
P	Power dissipation on infinite heatsink	T_{amb} = 50 °C	1.7	W
I_{PP}	Peak pulse current	10/1000 µs 8/20 µs	50 100	A
I_{TSM}	Non repetitive surge peak on-state current	tp = 20 ms	30	A
I^2t	I^2t value for fusing	tp = 20 ms	9	A^2s
dV/dt	Critical rate of rise of off-state voltage	V_{RM}	5	kV/µs
T_{stg} T_j	Storage temperature range Maximum junction temperature		- 55 to + 150 150	°C °C
T_L	Maximum lead temperature for soldering during 10s at 5mm from case		230	°C

THERMAL RESISTANCES

Symbol	Parameter	Value	Unit
R_{th} (j-l)	Junction to leads (L_{lead} = 10mm)	60	°C/W
R_{th} (j-a)	Junction to ambient on printed circuit (L_{lead} = 10 mm)	100	°C/W

ELECTRICAL CHARACTERISTICS

Symbol	Parameter
V_{RM}	Stand-off voltage
I_{RM}	Leakage current at stand-off voltage
V_R	Continuous Reverse voltage
V_{BR}	Breakdown voltage
V_{BO}	Breakover voltage
I_H	Holding current
I_{BO}	Breakover current
I_{PP}	Peak pulse current
C	Capacitance

Type	I_{RM} max.	@ V_{RM}	I_R max. note 1	@ V_R	V_{BO} max. note 2	@ I_{BO}	I_H min. note 3	C max. note 4
	μA	V	μA	V	V	mA	mA	pF
TPA62	2	56	50	62	82	800	150	150
TPA68	2	61	50	68	90	800	150	150
TPA100	2	90	50	100	133	800	150	100
TPA120	2	108	50	120	160	800	150	100
TPA130	2	117	50	130	173	800	150	100
TPA180	2	162	50	180	240	800	150	100
TPA200	2	180	50	200	267	800	150	100
TPA220	2	198	50	220	293	800	150	100
TPA240	2	216	50	240	320	800	150	100
TPA270	2	243	50	270	360	800	150	100