

N/P/N ZENER DIODE SPECIFICATION

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1. Scope :

1.1. This specification is for N/P/N zener with bi-directional structure

2. Application :

2.1. Paralleled the LED

2.2. Unity pad metal (for single wire bonding only)

2.3. Two way Zener diode protection

3. Dimension and Structure :

Structure	

Dimension		
Item	Characteristics	
Chip Form Die Size	162.1 ± 10.7 um	6.38 ± 0.42 mil
Pad Size	136.0 ± 5.0 um	5.35 ± 0.20 mil
Chip Thickness	101.6 ± 12.7 um	4.00 ± 0.50 mil
Passivation	152.0 ± 5.0 um	5.98 ± 0.20 mil
Top Metallization	Al	
Back Metallization	Au	

4. Electrical characteristics (Ta = 25 °C) :

Item	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Zener Voltage	Vz(Forward)	5.5		7.0	V	Izf=5mA
	Vz(Reverse)	5.3		6.8	V	Izr=5mA
Leakage Current	Idf			0.1 100	uA nA	V=4V
	Idr			0.1 100	uA nA	V=4V

5. Absolut maximum ratings (Ta = 25 °C) :

Item (Symbol)	Maximum Rating	Unit
Junction Temperature (Tj)	150	C

