



# Approval Sheet

for

**Zero Ohm Resistors  
Coating Type**

**ZOR series**

**YAGEO CORPORATION**

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URL: [www.yageo.com](http://www.yageo.com)



**1. PRODUCT : ZERO OHM RESISTORS****2. PART NUMBER :**

Part number of the Zero Ohm Resistors is identified by the name, power, tolerance, packing, temperature coefficient, special type and resistance value.

Example :

<b>ZOR</b>	<b>-25</b>	<b>-</b>	<b>T</b>	<b>-</b>	<b>52-</b>	<b>0R</b>
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>	<b>(6)</b>	<b>(7)</b>
Series Name	Power Rating	Resistance Tolerance	Packing Style	Temperature Coefficient of Resistance	Special Type	Resistance Value

(1) Style : ZOR SERIES

(2) Power Rating : -12 = 1/6W 、 -25 = 1/4W

(3) Tolerance : --

(4) Packaging Type : R=Paper Taping Reel  
T=Tape on Box Packing  
B=Bulk Packing

(5) Temperature Coefficient : --

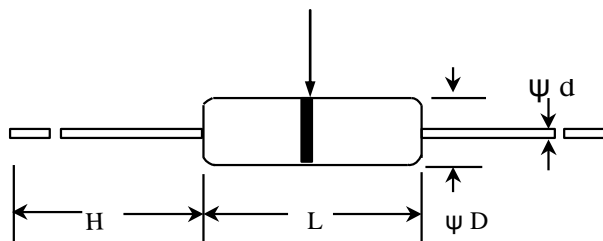
(6) Special Type : 26- = 26mm  
52- = 52.4mm  
M = M-Type Forming for Bulk  
MT = MTsert ( ZOR-12 size only )  
FT = FTsert ( ZOR-25 size only )  
PN = PANAsert (ZOR-25 size only )  
AV = Avlsert (ZOR-25 size only )

(7) Resistance Value : 0R



### 3. DIMENSIONS

Single Black Color Band Denotes Zero Resistance

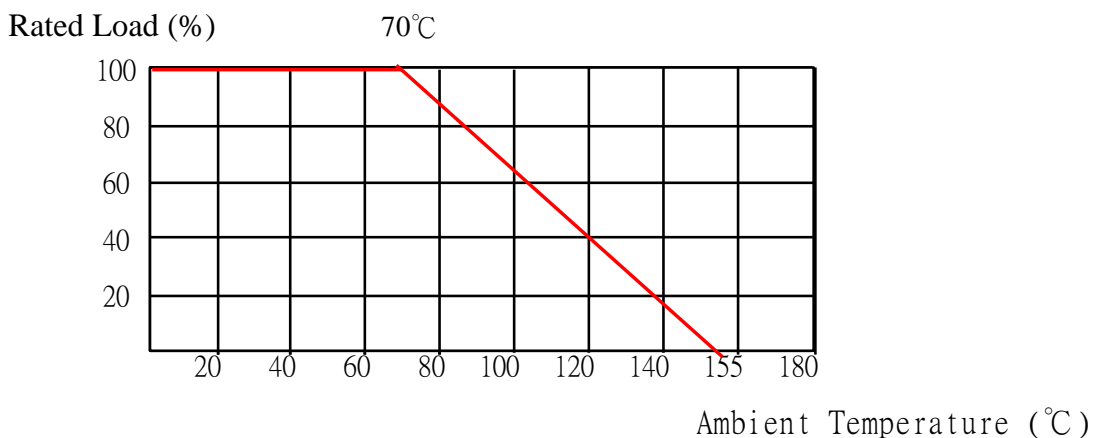


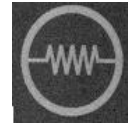
STYLE	L	ψ D	H	ψ d
ZOR-12	3.3±0.4	1.8±0.3	28±2.0	0.45±0.05
ZOR-25	6.3±0.5	2.3±0.3	28±2.0	0.55±0.05

### 4. SPECIFICATIONS

Power Rating	1/6W, 1/4W
Maximum Resistance	10m Ω or less
Min. Insulation Resistance	
Dry	10000MΩ
Wet	100MΩ
Min. Dielectric Withstanding Voltage	
Atmospheric	500V RMS
Reduced	325V RMS
Insulation Flammability	Resistor Insulation is Self Extinguishing within 10 Seconds After Externally Applied Flame is Removed
Maximum Current Rating	10 AMPS at 70 °C for 1/4W 8 AMPS at 70 °C for 1/6W
Operating Temperature Range	-55°C to +155°C

### 5. DERATING CURVE





## 6. ENVIRONMENTAL CHARACTERISTICS

### (1) Insulation Resistance

Apply test terminal on lead and resistor body.  
The test resistance should be high than dry 10,000M ohm & wet 100M ohm.

### (2) Solderability

Immerse the specimen into the solder pot at  $260 \pm 5$  °C for  $5 \pm 0.5$  seconds.  
At least 95% solder coverage on the termination.

### (3) Resistance to Solvent

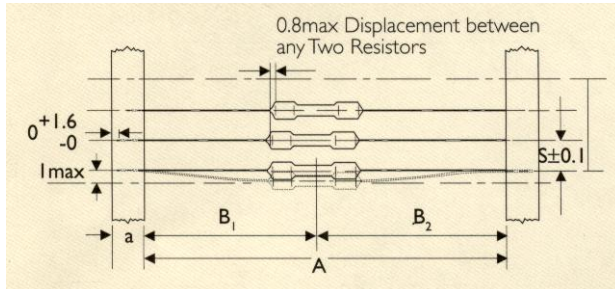
The specimen into the appropriate solvent of IPA condition of ultrasonic machine for 1 minutes.  
The specimen is no deterioration of coatings and colour code.

### (4) Terminal Strength

Direct Load – Resistors shall be held by one terminal and the load shall be gradually applied in the direction of the longitudinal axis of the resistor unit the applied load reached 5 pounds °  
The load shall be held for 10 seconds. The load of weight shall be  $\geq 2.5$  kg ( 24.5N ).

## 7. PACKING METHODS

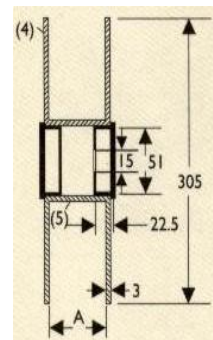
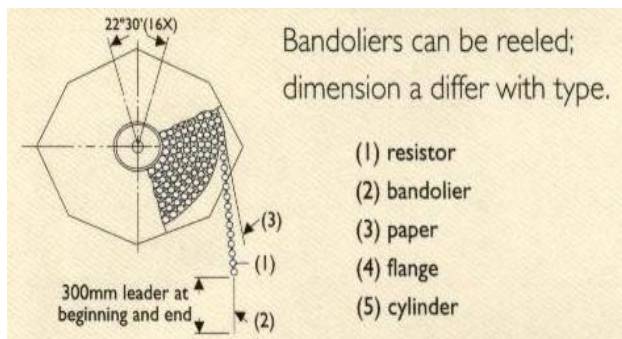
Bandolier for Axial leads

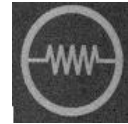


Unit : mm

STYLE	a	A	B1-B2	S (spacing)	T (max. deviation of spacing)
ZOR-12	$6 \pm 0.5$	$52.4 \pm 1.2$	1.2	5	0.5 mm per 5 spacing 1 mm per 10 spacing
		$26.0 \pm 1.0$	1.0		
ZOR-25	$6 \pm 0.5$	$52.4 \pm 1.2$	1.2	5	0.5 mm per 5 spacing 1 mm per 10 spacing
		$26.0 \pm 1.0$	1.0		

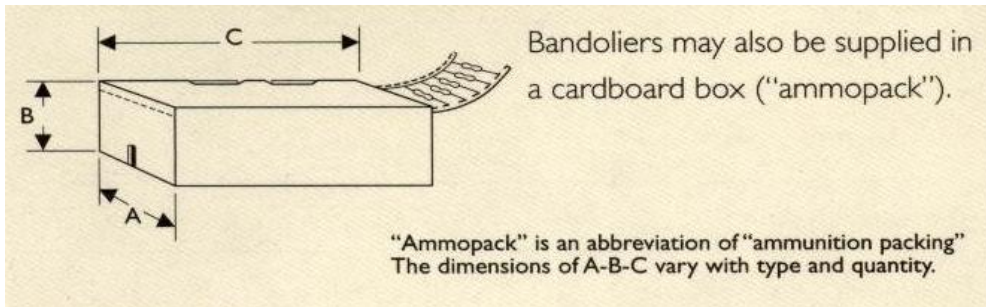
## 8. TAPE ON REEL PACKING





Style	Across Flange (A)	QTY Per Reel
ZOR-12	72	5,000
ZOR-25	72	5,000

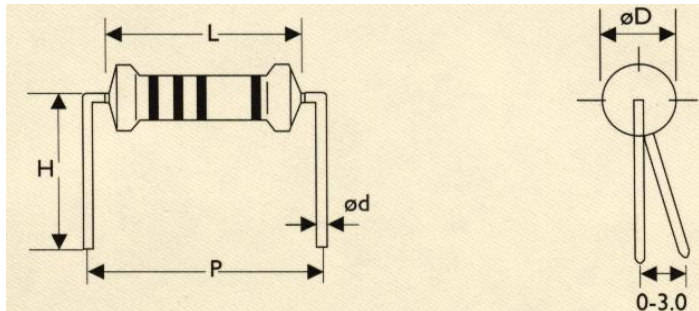
## 9. TAPE ON BOX PACKING



STYLE	Standard Lead Length			Short Lead Length			QTY Per Box
	W (A)	H (B)	L (C)	W (A)	H (B)	L (C)	
ZOR-12	81	70	260	48	102	255	5,000
ZOR-25	81	104	260	48	102	255	5,000

## 10. SPECIAL TYPE ( FORMING DIMENSIONS )

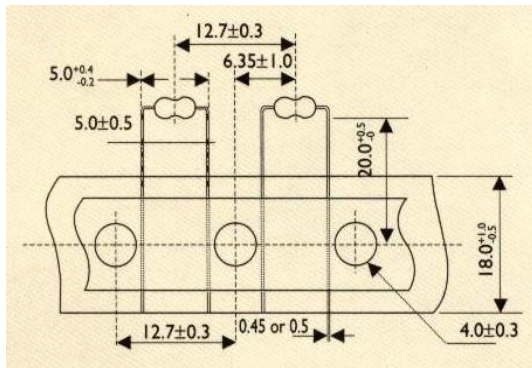
M TYPE



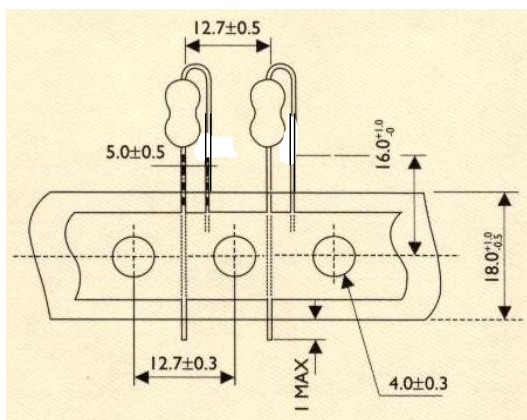
Unit : mm

STYLE	L	$\psi D$	$\psi d$	P	H
ZOR-12	$3.3 \pm 0.4$	$1.8 \pm 0.3$	$0.45 \pm 0.05$	$6.0 \pm 1$	$10.0 \pm 1$
ZOR-25	$6.3 \pm 0.5$	$2.3 \pm 0.3$	$0.55 \pm 0.05$	$10.0 \pm 1$	$10.0 \pm 1$

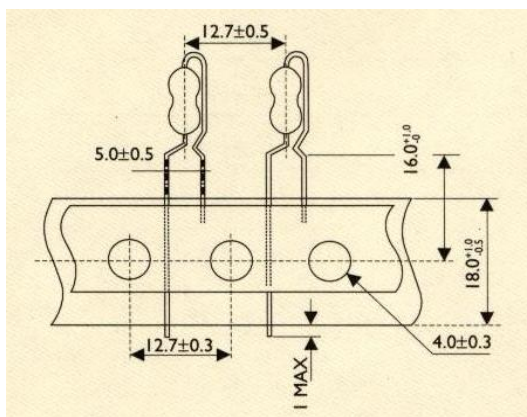
MT Type Forming for Taping (ZOR-12 size only)

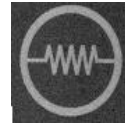


FT Type Forming for Taping (ZOR-25 size only)

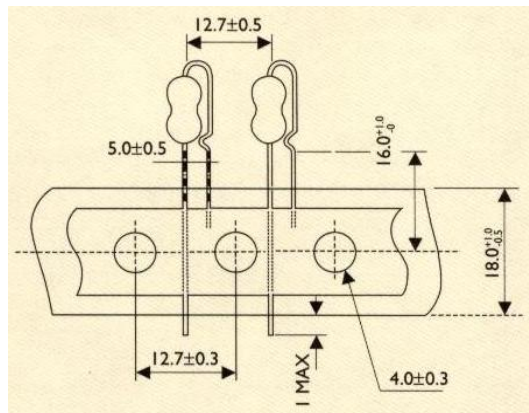


PN Type Forming for Taping (ZOR-25 size only)





## AV Type Forming for Taping (ZOR-25 size only)

**11. Plant Address:**

- A. China Dongguan Plant  
7-1, Gaoli Road, Gaoli Industrial Zone  
Tangxia Zhen, Dongguan, Guangdong, China  
(廣東省東莞市塘廈鎮高麗工業區高麗路 7-1 號)  
Tel. 86-769-8772 0275  
Fax. 86-769-8772 0275 #4333
  
- B. China Mudu Plant  
No.158, Fengjiang Road,  
Mudu New District, Suzhou, Kiangsu, China  
(江蘇省蘇州木瀆新區楓江路 158 號)  
Tel. 86-512-6651 8889  
Fax. 86-512-6651 9889