

■ General

• Scope

This specification is available for Thin Film Precision chip resistor manufactured by ELLON Electro-Mechanics Co., Ltd.

• Quality

The resistor is manufactured by highly quality-controlled process and guaranteed high reliability, it meets RoHS & Halogen-Free requirement.

• Standard measuring conditions

- Temperature 20±2°C, Humidity 65±5%. Being no doubt about the judgment, measurements can be made within the following Temperature 5 ~ 35°C, Humidity 45 ~ 85%.

■ Applications

- Consumer electronics
- Voltage regulator
- Computer & relative products
- Measuring instrument
- Industrial/Power supply
- Battery management system

■ Features

- Precise tolerance and temperature coefficient
- EIA standard case sizes (0201 ~ 2512)
- LOW noise, thin film (NiCr) construction
- Reflow solderable (Pb Free termination finish)

Type	EIA Size	Power Rating at 70° C	Max.*1 Working Voltage	Max.*2 Overload Voltage	Resistance Tolerance (Code)	Temperature Coefficient (ppm/° C)	Resistance Range (Ω)	Resistane Values
ETR02	0201	1/32 (0.032)W	15V	30V	±0.5% (D), ±1.0% (F)	±25 (C)	49.9 ~ 4.99KΩ	E-24, E-96 ,E-192
					±0.5% (D), ±1.0% (F)	±50 (D)	49.9 ~ 33KΩ	
ETR04	0402	1/16 (0.063)W	25V	50V	±0.01% (T), ±0.05% (A), ±0.1% (B), ±0.01% (T), ±0.05% (A), ±0.1% (B), ± 0.25 % (C), ±0.5% (D), ±1% (F)	±2 (X), ±3 (O)	49.9 ~ 4.99KΩ	
					±0.01% (T), ±0.05% (A)	±5 (S)	49.9 ~ 4.99KΩ	
					±0.01% (T), ±0.05% (A)	±10 (B)	49.9 ~ 12KΩ	
					±0.1% (B), ±0.25 % (C), ±0.5% (D), ± 1% (F)		49.9 ~ 60.4KΩ	
					±0.01% (T), ±0.05% (A)	±15 (N)	49.9 ~ 12KΩ	
					±0.1% (B), 0.25% (C), ±0.5% (D), ±1% (F)	±15 (N)	49.9 ~ 69.8KΩ	
					±0.05% (A)	±25(C), ±50(D)	49.9 ~ 12KΩ	
					±0.1% (B)	±25 (C)	10 ~ 511KΩ	
					±0.25% (C), ±0.5% (D), ±1% (F)	±25 (C)	4.7 ~ 511KΩ	
					±0.1% (B)	±50 (D)	10 ~ 511KΩ	
±0.25% (C)	±50 (D)	4.7 ~ 511KΩ						
±0.5% (D), ±1% (F)	±50 (D)	4.7 ~ 511KΩ						
ETR06	0603	1/16 (0.063)W	50V	100V	±0.01% (T), ±0.05% (A), ±0.1% (B), ±0.01% (T), ±0.05% (A), ±0.1% (B), ±0.25% (C), ±0.5% (D), ±1% (F)	±2 (X), ±3 (O)	24.9 ~ 15KΩ	
					±0.01% (T)	±5 (S)	24.9 ~ 15KΩ	
					±0.01% (T)	±10(B), ±15(N)	24.9 ~ 100KΩ	
					±0.05% (A)	±10(B), ±15(N)	4.7 ~ 332KΩ	
					±0.1% (B), ±0.25 % (C), ±0.5% (D), ±1% (F)	±10(B), ±15(N)	4.7 ~ 511KΩ	
					±0.05% (A)	±25(C), ±50(D)	4.7 ~ 332KΩ	

Thin Film Precision Chip Resistor -ETR Series



					$\pm 0.1\%$ (B)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 1M Ω	E-24, E-96 ,E-192
					$\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1.0 ~ 1M Ω	
ETR08	0805	1/10 (0.10) W	100V	200V	$\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	± 2 (X), ± 3 (O)	24.9 ~ 30K Ω	
					$\pm 0.01\%$ (T)	± 5 (S)	24.9 ~ 30K Ω	
					$\pm 0.01\%$ (T)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	24.9 ~ 200K Ω	
					$\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	4.7 ~ 1M Ω	
					$\pm 0.05\%$ (A)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 1M Ω	
					$\pm 0.1\%$ (B)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 2M Ω	
					$\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1.0 ~ 2M Ω	
ETR16	1206	1/8 (0.125) W	150V	300V	$\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	± 2 (X), ± 3 (O)	24.9 ~ 49.9K Ω	
					$\pm 0.01\%$ (T)	± 5 (S)	24.9 ~ 49.9K Ω	
					$\pm 0.01\%$ (T)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	24.9 ~ 499K Ω	
					$\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	4.7 ~ 1M Ω	
					$\pm 0.05\%$ (A)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 1M Ω	
					$\pm 0.1\%$ (B)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 2.49M Ω	
					$\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1.0 ~ 2.49M Ω	
ETR12	1210	1/4 (0.25) W	150V	300V	$\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), \pm 0.25% (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	± 2 (X), ± 3 (O)	24.9 ~ 49.9K Ω	
					$\pm 0.01\%$ (T)	± 5 (S)	24.9 ~ 49.9K Ω	
					$\pm 0.01\%$ (T)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	24.9 ~ 499K Ω	
					$\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	4.7 ~ 1M Ω	
					$\pm 0.05\%$ (A)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 1M Ω	
					$\pm 0.1\%$ (B)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 2.49M Ω	
					$\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1.0 ~ 2.49M Ω	
ETR20	2010	1/4 (0.25) W	150V	300V	$\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	± 2 (X), ± 3 (O)	24.9 ~ 100K Ω	
					$\pm 0.01\%$ (T)	± 5 (S)	24.9 ~ 100K Ω	
					$\pm 0.01\%$ (T)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	24.9 ~ 499K Ω	
					$\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	4.7 ~ 1M Ω	
					$\pm 0.05\%$ (A)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 1M Ω	
					$\pm 0.1\%$ (B)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	4.7 ~ 3M Ω	
					$\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1.0 ~ 3M Ω	
ETR25	2512	1/2 (0.50) W 1W	150V	300V	$\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.01\%$ (T), $\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	± 2 (X), ± 3 (O)	24.9 ~ 100K Ω	
					$\pm 0.01\%$ (T)	± 5 (S)	24.9 ~ 100K Ω	
					$\pm 0.01\%$ (T)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	24.9 ~ 499K Ω	
					$\pm 0.05\%$ (A), $\pm 0.1\%$ (B), $\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 10\text{(B)}, \pm 15\text{(N)}$	1 ~ 1M Ω	
					$\pm 0.05\%$ (A)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1 ~ 1M Ω	
					$\pm 0.1\%$ (B)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1 ~ 3M Ω	
					$\pm 0.25\%$ (C), $\pm 0.5\%$ (D), $\pm 1\%$ (F)	$\pm 25\text{(C)}, \pm 50\text{(D)}$	1.0 ~ 3M Ω	

Thin Film Precision Chip Resistor -ETR Series



Note *1 - Maximum allowable continuous Working Voltage for all resistors is the lower of the two values:
 "Maximum Working Voltage" as specified above
 or

$$\sqrt{\text{Power rating (Watts)} \times \text{Resistance (Ohms)}}$$

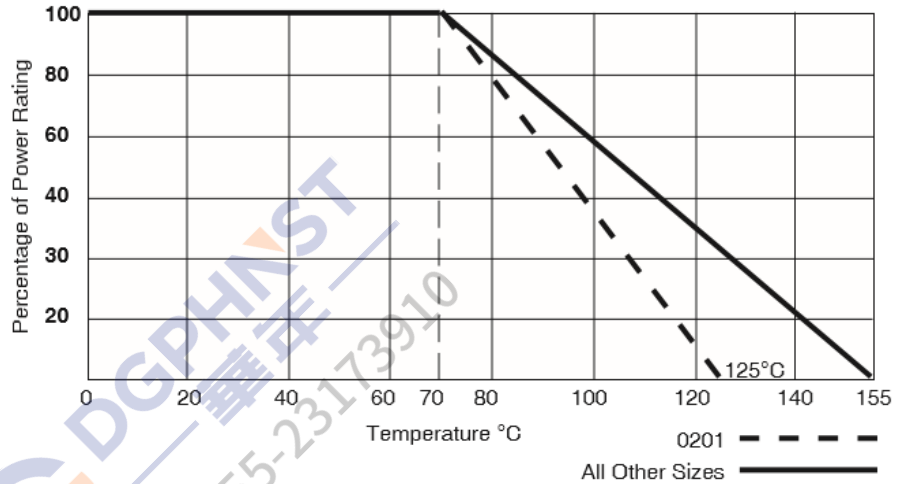
Note *2 - Maximum Overload Voltage for all resistors is the lower of the two values:
 "Maximum Overload Voltage" as specified above
 or

$$2 \times \sqrt{\text{Power rating (Watts)} \times \text{Resistance (Ohms)}}$$

TYPICAL NOISE CHARACTERISTICS

Resistance Value (Ω)	Case Size		
	0603	0805	1206
1 ~ 9	-95dB	-95dB	-95dB
10 ~ 49	-85dB	-85dB	-85dB
50 ~ 99	-85dB	-85dB	-85dB
100 ~ 4.99K	-100dB	-100dB	-105dB
5K ~ 19.9K	-100dB	-100dB	-100dB
20K ~ 1M	-90dB	-100dB	-100dB

Power Derating Curve: For operation above 70°C, power rating must be derated according to the following chart:



ENVIRONMENTAL CHARACTERISTICS

Item	Specification		Typical			Test Method*
	Tol. ≤ 0.05%	Tol. > 0.05%	Tol. > 0.05%			
			0402	0603	0805	
Standard Temperature Range: -55° C ~ +155° C (power derating above +70° C)						
Temperature Coefficient of Resistance	As specified	As specified	-	-	-	+25/-55/+25/+125/+25
Short Time Overload	ΔR ±0.05%	ΔR ±0.2%	-0.001%	-0.002%	-0.005%	RCWV x 2.5 or Max Overloading Voltage for 5 Seconds
Dielectric Withstanding Voltage	As specified		265V	298V	415V	MIL-STD-202F Method 301 Apply Max. Overload Voltage for 1 minute
Insulation Resistance	>1000MΩ		>10GΩ			MIL-STD-202F Method 302 Apply 100Vdc for 1 minute
Thermal Shock (N/A 0201 Size)	ΔR ±0.05%	ΔR ±0.25%	0.001%	-0.02%	0.002%	MIL-STD-202F Method 107G -55° C ~ +150° C, 100 cycles
Load Life	ΔR ±0.05%	ΔR ±0.2%	no change			MIL-STD-202F Method 108A
	>7KΩ ΔR ±0.5%		0.02%	0.03%	0.06%	RCWV +70° C, 1.5 hours ON, 0.5 hours OFF Total time 1,000 ~ 1,048 hours

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Humidity (Steady State)	ΔR $\pm 0.05\%$	$\Delta R \pm 0.3\%$	0.003%	0.005%	0.007%	MIL-STD-202F Method 103B +40° C, 90% ~ 95% RH, RCWV 1.5 hours ON, 0.5 hours OFF Total time 1,000 ~ 1,048 hours
Resistance to Dry Heat (N/A 0201 Size)	ΔR $\pm 0.05\%$	$\Delta R \pm 0.5\%$	0.07%	0.02%	0.025%	MIL-STD-202 Method 108 +125° C, 1000 hours
Low Temperature Operation (N/A 0201 Size)	ΔR $\pm 0.05\%$	$\Delta R \pm 0.2\%$	0.006%	0.008%	0.001%	JIS-C-502-7.1 1 hour @ -65° C followed by 45 minutes of RCWV
Bending Strength	ΔR $\pm 0.05\%$	$\Delta R \pm 0.2\%$	0.001%	-0.010%	0.002%	JIS-C-5202-6.1.4 Bending Amplitude 3mm for 10 seconds

■ PART NUMBER SYSTEM

ETR	25	T	T	10K0	C	D	P
Product Type	Size (Inch)	Resistor Tolerance	Rated Power	Resistor Value	TCR (PPM/°C)	Quantity (Pcs)	Remarks
ETR	02=0201 04=0402 06=0603 08=0805 16=1206 12=1210 20=2010 25=2512	T=±0.01% A=±0.05% B=±0.1% C=±0.25% D=±0.5% F=±1%	J=1/32W Y=1/16W X=1/10W W=1/8W V=1/4W U=1/2W T=1W	1R00=1RΩ 2R20=2R2Ω 10K0=10KΩ 100K=100KΩ	X=±2PPM O=±3PPM S=±5PPM B=±10PPM N=±15PPM C=±25PPM D=±50PPM	A=15000 C=10000 D=4000 E=5000	P=Precision

(1): ETR Series

(2): Size Code: 02=0201, 04=0402, 06=0603, 08=0805, 16=1206, 12=1210, 20=2010, 25=2512

(3): Tolerance Code: T = 0.01%, A = 0.05%, B = ± 0.1%, C = ± 0.25%, D = ± 0.5%, F = ± 1%

(4): Rated Power: J=1/32W, Y=1/16W, X=1/10W, W=1/8W, V=1/4W, U=1/2W, T=1W

(5): Resistance Code: First 3 digits are significant figures (both E-24 and E-96 values), 4th digit is the multiplier, "R" indicates a decimal point.

(6): TCR(PPM/°C): X=±5ppm, O=±3ppm, S=±5ppm, B=±10ppm, N=±15ppm, C=±25ppm, D=±50ppm

(7): Quantity: A=15000, C=10000, D=4000, E=5000

(8): Remarks: P=Precision

Thin Film Precision Chip Resistor -ETR Series

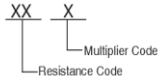


PART MARKING

1. No marking on 0402 case size.
2. Marking for 0603 case size:

E-24 values and E-96 values: $\pm 1\%$ (F), $\pm 0.5\%$ (D), $\pm 0.25\%$ (C), $\pm 0.1\%$ (B) tolerances E-192 values: $\pm 0.1\%$ (B) tolerance (No Marking)

CODING FORMULA



Example: $10.2k\Omega = \frac{102}{02} \times 10^3 \Omega = 02C$

$33.2 \Omega = \frac{332}{51} \times 10^{-1} = 51X$

MARKING EXAMPLES

$10\Omega = 01X$

$7.5k \Omega = 85B$

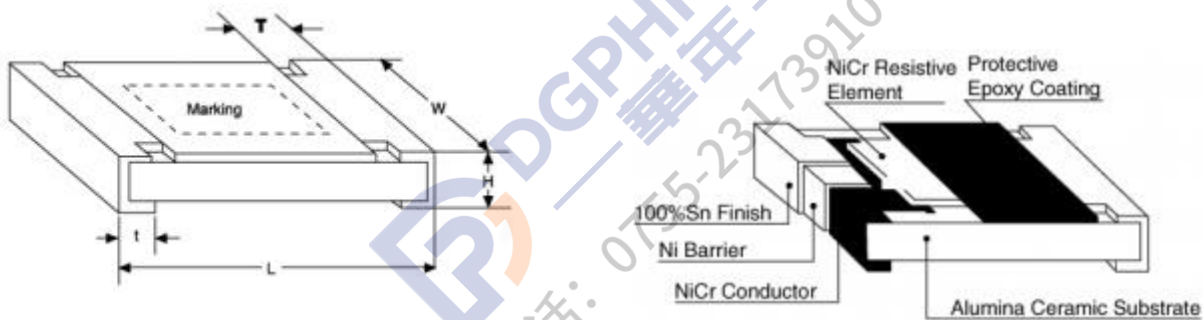
$150k \Omega = 18D$

$1 \text{ Meg}\Omega = 01E$

3. Marking for 0805, 1206, 2010 and 2512 case sizes:

E-24 and E-96 values - $\pm 1\%$ (F), $\pm 0.5\%$ (D), $\pm 0.25\%$ (C), $\pm 0.1\%$ (B) tolerances E-192 values: $\pm 0.1\%$ (B) tolerance (No Marking)

4 DIGIT MARKING SYSTEM - First 3 digits are the significant figures, the 4th digit is the multiplier. "R" = decimal point



DIMENSIONS (mm)

Type	Power Rating	EIA Size	L	W	H	T	t
ETR02	1/32W	0201	0.58 ± 0.05	0.29 ± 0.05	0.23 ± 0.03	0.12 ± 0.05	0.15 ± 0.05
ETR04	1/16W	0402	1.00 ± 0.05	0.50 ± 0.05	0.30 ± 0.05	0.20 ± 0.10	0.20 ± 0.10
ETR06	1/16W	0603	1.55 ± 0.10	0.80 ± 0.10	0.45 ± 0.10	0.30 ± 0.20	0.30 ± 0.20
ETR08	1/10W	0805	2.00 ± 0.15	1.25 ± 0.15	0.55 ± 0.10	0.30 ± 0.20	0.40 ± 0.25
ETR16	1/8W	1206	3.05 ± 0.10	1.55 ± 0.10	0.55 ± 0.10	0.42 ± 0.20	0.35 ± 0.25
ETR12	1/4W	1210	3.10 ± 0.15	2.40 ± 0.15	0.55 ± 0.10	0.40 ± 0.20	0.55 ± 0.25
ETR20	1/4W	2010	4.90 ± 0.15	2.40 ± 0.15	0.55 ± 0.10	0.60 ± 0.30	0.50 ± 0.25
ETR25	1/2W(1W)	2512	6.30 ± 0.15	3.10 ± 0.15	0.55 ± 0.10	0.60 ± 0.30	0.50 ± 0.25

Thin Film Precision Chip Resistor -ETR Series



STANDARD E-24, E-96 AND E-192 VALUES AND 0603 RESISTANCE CODES

E-24	E-96								E-192*					
Value	Value	Code	Value	Code	Value	Code	Value	Code	Value	Value	Value	Value	Value	Value
100	100	01	102	02	105	03	107	04	100	147	215	316	464	681
110	110	05	113	06	115	07	118	08	101	149	218	320	470	690
120	121	09	124	10	127	11	130	12	102	150	221	324	475	698
130	133	13	137	14	140	15	143	16	104	152	223	328	481	706
150	147	17	150	18	154	19	158	20	105	154	226	332	487	715
160	162	21	165	22	169	23	174	24	106	156	229	336	493	723
180	178	25	182	26	187	27	191	28	107	158	232	340	499	732
200	196	29	200	30	205	31	210	32	109	160	234	344	505	741
220	215	33	221	34	226	35	232	36	110	162	237	348	511	750
240	237	37	243	38	249	39	255	40	111	164	240	352	517	759
270	261	41	267	42	274	43	280	44	113	165	243	357	523	768
300	287	45	294	46	301	47	309	48	114	167	246	361	530	777
330	316	49	324	50	332	51	340	52	115	169	249	365	536	787
360	348	53	357	54	365	55	374	56	117	172	252	370	542	796
390	383	57	392	58	402	59	412	60	118	174	255	374	549	806
430	422	61	432	62	442	63	453	64	120	176	258	379	556	816
470	464	65	475	66	487	67	499	68	121	178	261	383	562	825
510	511	69	523	70	536	71	549	72	123	180	264	388	569	835
560	562	73	576	74	590	75	604	76	124	182	267	392	576	845
620	619	77	634	78	649	79	665	80	126	184	271	397	583	856
680	681	81	698	82	715	83	732	84	127	187	274	402	590	866
750	750	85	768	86	787	87	806	88	129	189	270	407	597	876
820	825	89	845	90	866	91	887	92	130	191	280	412	604	887
910									132	193	284	417	612	898
									133	196	287	422	619	909
									135	198	291	427	626	920
									137	200	294	432	634	931
									138	203	298	437	642	942
									140	205	301	442	649	953
									142	208	305	448	657	965
									143	210	309	453	665	976
									145	213	312	459	673	988

* Special E192 resistance values are supported on all case sizes of NTR series. Please review your E192 value requirements with NIC, as special terms apply, and E192 values are supplied without component resistance value marking.

MULTIPLIER CODE

Code	A	B, b	C	D, d	E	F	G	H	X	Y	Z
Multiplier	10 ⁰	10 ¹	10 ²	10 ³	10 ⁴	10 ⁵	10 ⁶	10 ⁷	10 ⁻¹	10 ⁻²	10 ⁻³

PAPER TAPE DIMENSIONS (mm)

FIG. A

Type	EIA Size	A	B	D	E	F	P ₀	P ₁	P ₂	W	T
ETR02	0201	0.40 ± 0.05	0.70 ± 0.05	1.55 ± 0.05	1.75 ± 0.05	3.50 ± 0.05	4.0 ± 0.10	2.0 ± 0.05	2.0 ± 0.05	8.0 ± 0.1	0.42 ± 0.02
ETR04	0402	0.70 ± 0.05	1.16 ± 0.05								0.40 ± 0.03
ETR06	0603	1.10 ± 0.05	1.90 ± 0.05					0.60 ± 0.03			
ETR08	0805	1.60 ± 0.05	2.37 ± 0.05					0.75 ± 0.05			
ETR16	1206	2.00 ± 0.05	3.55 ± 0.05								
ETR12	1210	2.75 ± 0.05	3.40 ± 0.05	1.60 ± 0.10							

FIG. A

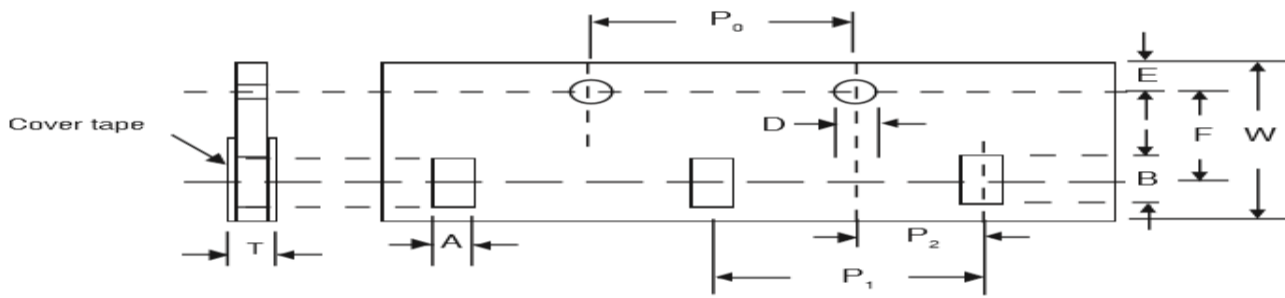
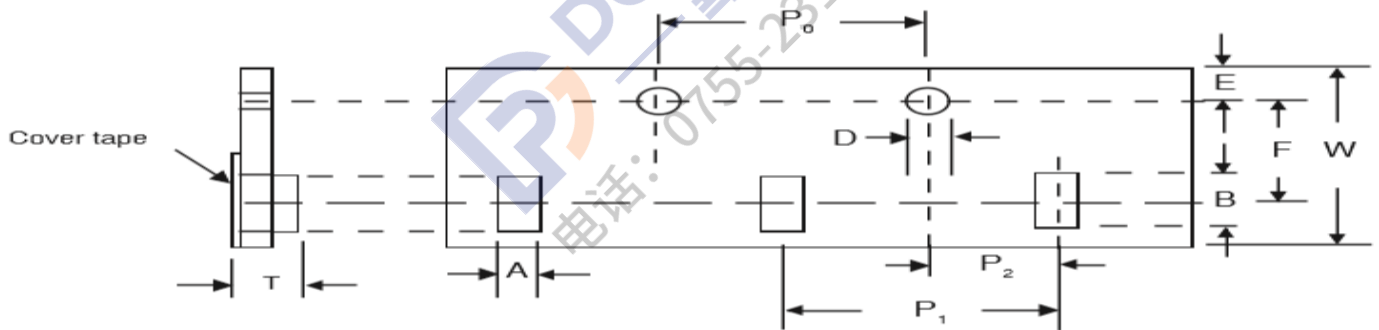


FIG. B

Type	EIA Size	A	B	D	E	F	P ₀	P ₁	P ₂	W	T
ETR20	2010	2.85 ±0.10	5.45 ± 0.10	1.50 ± 0.10	1.75 ± 0.10	5.50 ± 0.05	4.0 ± 0.10	4.0 ± 0.05	2.0 ± 0.05	12.0 ± 0.1	1.0 ± 0.20
ETR25	2512	3.40 ±0.10	6.65 ± 0.10								

FIG. B



TAPING SPECIFICATIONS

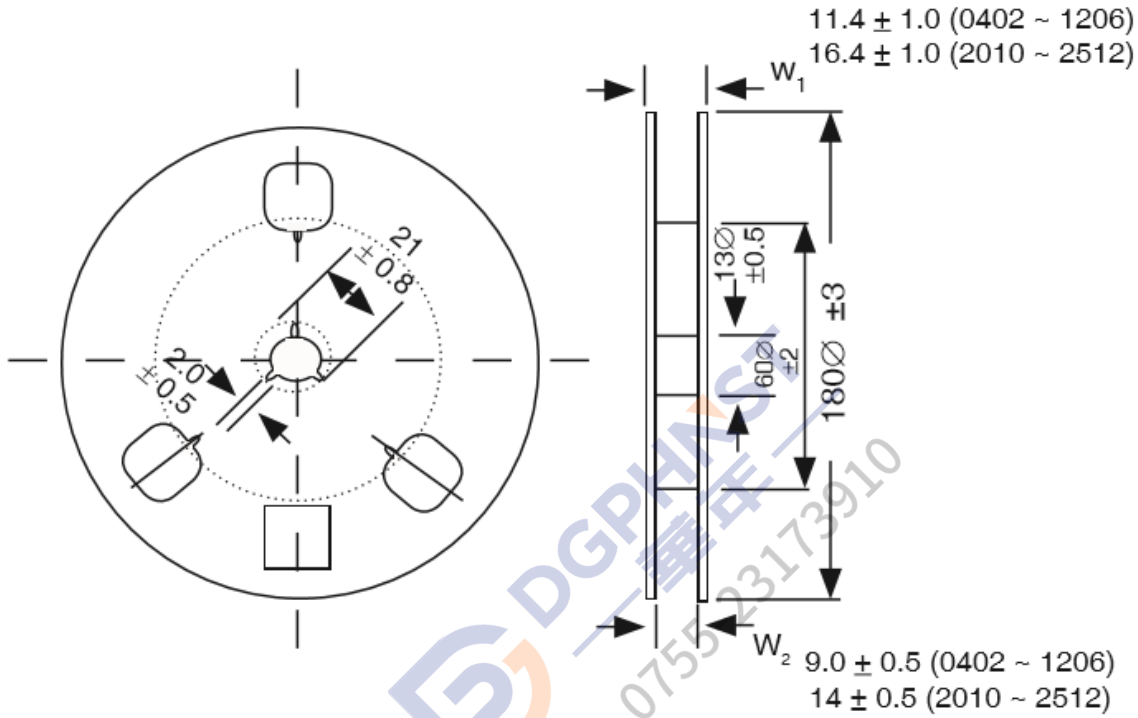
Availability

Type	Power Rating	EIA Size	Carrier Tape			Qty per Reel (pcs)
			Fig.	Material	Width (mm)	Standard
ETR02	1/32W	0201	A	Paper	8	10000
ETR04	1/16W	0402	A			10000
ETR06	1/16W	0603	A			5000
ETR08	1/10W	0805	A			5000
ETR16	1/8W	1206	A			5000
ETR12	1/4W	1210	A			5000
ETR20	1/4W	2010	B	Plastic	12	4000
ETR25	1/2W/1W	2512	B			

Thin Film Precision Chip Resistor -ETR Series

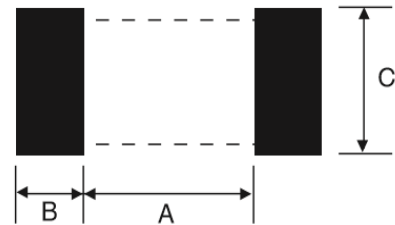


REEL DIMENSIONS (mm)



LAND PATTERN DIMENSIONS (mm)

Type	EIA Size	A	B	C
ETR02	0201	0.25	0.30	0.40 ± 0.2
ETR04	0402	0.50	0.50	0.60 ± 0.2
ETR06	0603	0.80	1.00	0.90 ± 0.2
ETR08	0805	1.00	1.00	1.35 ± 0.2
ETR16	1206	2.00	1.15	1.70 ± 0.2
ETR12	1210	2.00	1.15	2.50 ± 0.2
ETR20	2010	3.60	1.40	2.50 ± 0.2
ETR25	2512	4.90	1.60	3.10 ± 0.2



PEAK REFLOW SOLDERING CONDITIONS

