

Version: 1.0

SPECIFICATION FOR APPROVAL

ITEM P/N	WD4532A-SERIES	TEST INSTRUMENT	4287A, 4339B
PRODUCT	COMMON MODE CHOKE	TEST FREQUENCY	100 MHz / 0.5V

CUSTOMER :

CUSTOMER P/N :

DESCRIPTION :

HT P/N : WD4532A-SERIES

REVISION NO. : V1.0

DATE : 2021/9/18

NOTES : STANDARD

HT DOCUMENTED	
APPROVED	JACK
CHECKED	DINO
PREPARED	CARRIE

CUSTOMER APPROVAL

company seals

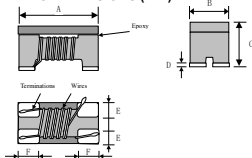
广州葆诚技术有限公司
广州黄埔区光谱西路3号 18028017279

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SPECIFICATION

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PACKING DIMENSIONS (mm)



4532	Dimensions
A	4.5 ± 0.2
B	3.2 ± 0.2
C	2.8 ± 0.2
D	0.2 ± 0.1
E	1.2Typ.
F	1.0Typ.

EXPLANATION OF PART NUMBERS

1	2	3	4	5	6	7	8	9	10	11	
W	D	4	5	3	2	A	-	1	0	2	S
	(1)			(2)					(3)		(4)

- (1) Product name
- (2) Shapes and dimensions
- (3) Impedance 【 at 100MHz】
102:1000Ω
- (4) Tolerance
S = ±25%; M = ±20%

ELECTRICAL CHARACTERISTICS

P/N	Z(Ω)	DCR (Ω)	Rated current	Rated Voltage	Insulation Resistance
	Common Mode		Idc(A)	Vdc	
	Impedance at 100MHz	[Max]	[Max]	(V)Typical	(MΩ)Min.
WD4532A-800S	80	0.07	3	50	10
WD4532A-121S	120	0.07	3	50	10
WD4532A-201S	200	0.10	2	50	10
WD4532A-471S	470	0.20	2.5	50	10
WD4532A-601S	600	0.30	1.5	50	10
WD4532A-801S	800	0.35	1	50	10
WD4532A-102S	1000	0.40	1	50	10

Operating temperature : -25 to +85°C

Storage temp. and humidity : -40 to +85°C , 70%RH max

Typical Heat Rating DC Current would cause an approximately 4T of 40°C

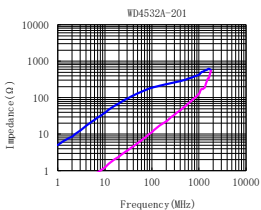
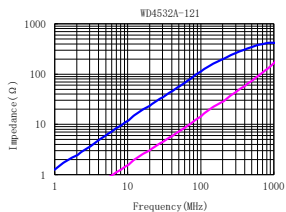
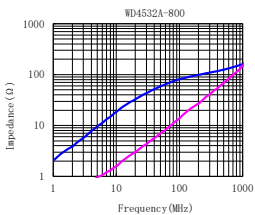
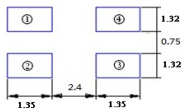
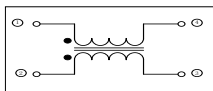
If Use Wave soldering is there will be some risk. Re-flow soldering temperatures below 240 degrees, there will be unwitting risk

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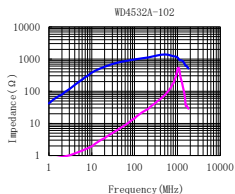
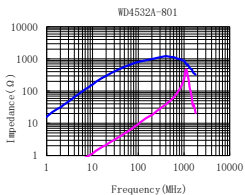
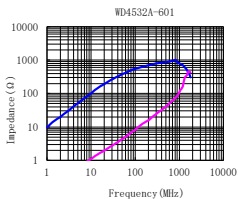
CHARACTERISTICS

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PERFORMANCE CURVES**Recommended Footprint(mm)**

CHARACTERISTICS

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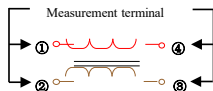
PERFORMANCE CURVES

CHARACTERISTICS

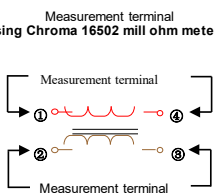
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Test Equipment**Impedance**

Measured by using Agilent 4291A RF Impedance Analyzer.

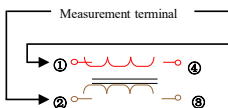
**DC Resistance**

Measured by using Chroma 16502 mill ohm meter.

**Insulation Resistance**

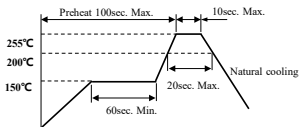
Measured by using Chroma 19073


Measurement voltage : 50v ,Measurement time : 60 sec.



RELIABILITY

ITEM P/N	WD4532A-SERIES	TEST INSTRUMENT	4287A, 4339B
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RECOMMENDED SOLDERING TEMP. GRAPH**MECHANICAL RELIABILITY**

TEST	Specification & Requirement	Method Used
Solderability	The surface of terminal/pin tested shall be covered with new solder by 90%	Solder heat proof: Preheating: 150 ±10°C 60 seconds Soldering: 245 ±5°C for 4 ±1 sec
Solder Heat Resistance	Components should have not evidence of electrical and mechanical damage Impedance: within ±15% of initial value	Preheating: 150°C 60secs Solder temperature: 260±5°C Flux: rosin Dip time: 10±0.5 secs
Terminal strength	Series No.	F (Kg)
	1608	0.5
	2012	0.5
	3216	1.0
	3225	1.0
4532	1.0	
		Solder a chip to test substrate and then laterally apply a force in the arrow direction
		

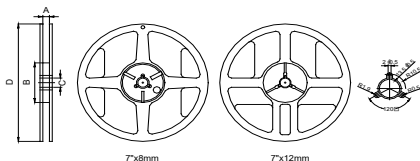
ENDURANCE RELIABILITY

TEST	Specification & Requirement	Method Used
Thermal Shock	Impedance change within ± 15% Without mechanical damage	-65°C, (30 mi ns) -> room temp. (2 mi ns) -> 125°C, (30 mi ns) -> room temp. (2 mi ns) 50 cycles
Humidity Resistance	Impedance change within ± 15% Without mechanical damage	Apply IDC current @ 60°C ambient Humidity: 90% Duration: 168 hrs
Low Temp. Storing	Impedance change within ± 15% Without mechanical damage	Storing Temp. -40 ±2 °C for total 168 +5/-0 hours
High Temp. Storing	Impedance change within ± 15% Without mechanical damage	Storing Temp. 125 ±2 °C for total 168 +5/-0 hours

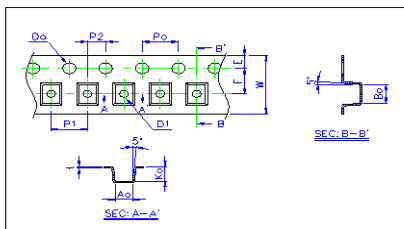
PACKING FOR SMD

ITEM P/N	WD4532A-SERIES	TEST INSTRUMENT	4287A, 4339B
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Reel Dimension & Tape Dimension



Type	A(mm)	B(mm)	C(mm)	D(mm)
7 x8mm	9.0±0.5	60±2	13.5±0.5	178±2
7 x12mm	13.5±0.5	60±2	13.5±0.5	178±2



Size	Ao(mm)	Bo(mm)	Ko(mm)	W(mm)	E(mm)	F(mm)	Po(mm)	P1(mm)	Do(mm)
1608	1.00±0.10	1.65±0.10	1.18±0.10	8.00±0.20	1.75±0.10	3.50±0.05	4.0±0.05	4.0±0.10	none
2012	1.50±0.10	2.35±0.10	1.45±0.10	8.00±0.20	1.75±0.10	3.50±0.05	4.0±0.05	4.0±0.10	1.0±0.1
3216	1.88±0.10	3.50±0.10	2.10±0.10	8.00±0.20	1.75±0.10	3.50±0.05	4.0±0.05	4.0±0.10	1.0±0.1
4532	4.90±0.10	3.45±0.10	3.05±0.10	12.00±0.20	1.75±0.10	5.50±0.05	4.0±0.05	8.0±0.10	1.5±0.1, -0

Packaging Quantity

Chip Size	1608	2012	3216	4532
8mm/ Reel	2000	2000	2000	
12mm/ Reel				500