

EMI Bead Cores

Type: **EXCEL**

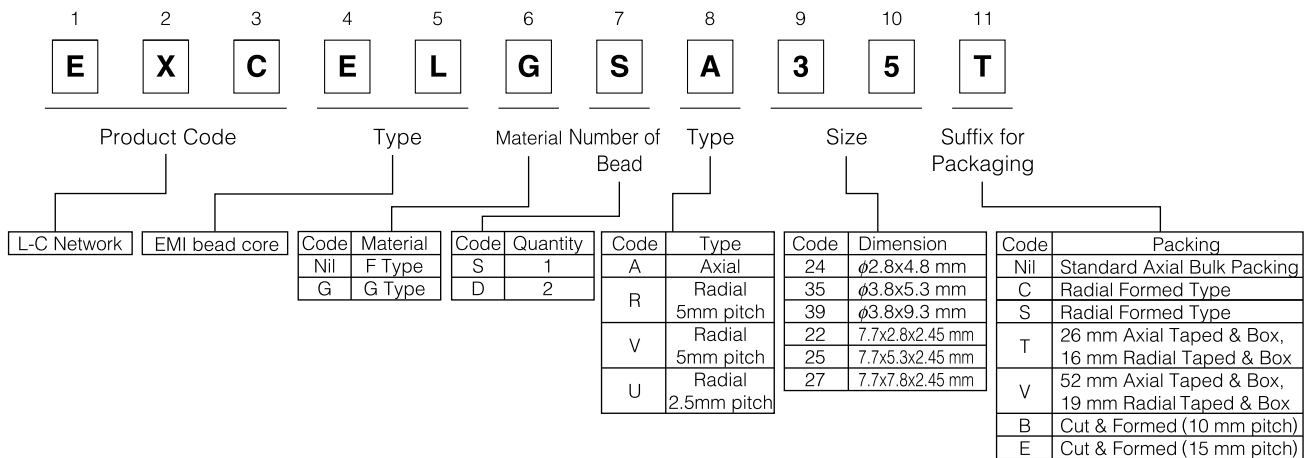
■ Features

- EMI bead cores suitable for reduction of high-frequency noise by high resistive material.
- EMI bead cores is low cost noise filter for electro magnetic interference caused by various digital equipment.
- Axial and radial taped type are available for automatic insertion machines.
- Approved under the ISO-9001 system.

■ Recommended Applications

- Digital equipment such as Personal computers, Word processor, Printers, HDD, PPC, and Communication equipment
- Digital audio and Video equipment
- Power supply equipment such as AC adapter and Switching power supply
- Electronic automotive equipment such as Engine controls, Panels and Audio systems
- Electric musical instrument, and other digital devices

■ Explanation of Part Numbers



■ Ratings

Materials: F Type

Part No.	Impedance* (Ω)	DC Resistance (mΩ)	Insulation Resistance (MΩ)	Rated Current (A DC)	Operating Temp. Range (°C)
EXCELSA24□	30 min.	10 max.	10 min.	7 max.	-25 to +85
EXCELSA35□	50 min.				
EXCELSA39□	80 min.				
EXCELSR35□	50 min.				
EXCELSV24□	30 min.				
EXCELSV35□	50 min.				
EXCELSV39□	80 min.				
EXCELSU35□	50 min.				
EXCELDLDR22□	30 min.				
EXCELDLDR25□	80 min.				
EXCELDLDR27□	160 min.				
EXCELDLDR35□	90 min.				
EXCELDU25□	80 min.				

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Materials: G Type

Part No.	Impedance* (Ω)	DC Resistance (m Ω)	Insulation Resistance (M Ω)	Rated Current (A DC)	Operating Temp. Range ($^{\circ}$ C)
EXCELGSA24□	20 min.	10 max.	10 min.	7 max.	-25 to +85
EXCELGSA35□	30 min.				
EXCELGSA39□	40 min.				
EXCELGSR35□	30 min.				
EXCELGSV24□	20 min.				
EXCELGSV35□	30 min.				
EXCELGSV39□	40 min.				
EXCELGSU35□	30 min.				
EXCELGDR22□	20 min.				
EXCELGDR25□	45 min.				
EXCELGDR27□	80 min.				
EXCELGDR35□	75 min.				
EXCELGDU25□	45 min.				

*Measurement Temperature: +20 $^{\circ}$ C, Measurement Frequency: 100 MHz

■ Dimensions in mm (not to scale)

● EXCEL□SA24
EXCEL□SA35
EXCEL□SA35

	EL□SA24	EL□SA35	EL□SA39
D	$\phi 2.8$ max.	$\phi 3.8$ max.	$\phi 3.8$ max.
A	4.8 max.	5.3 max.	9.3 max.
L	10 min.	20 min.	18 min.

● EXCEL□SA24B
EXCEL□SA35B
EXCEL□SA39B

	EL□SA24B	EL□SA35B	EL□SA39B
D	$\phi 2.8$ max.	$\phi 3.8$ max.	$\phi 3.8$ max.
A	4.8 max.	5.3 max.	9.3 max.
P	10.0 +/- 0.8	10.0 +/- 0.8	15.0 +/- 0.8

● EXCEL□SV24S
EXCEL□SV35S
EXCEL□SV39S

	EL□SV24S	EL□SV35S	EL□SV39S
D	$\phi 2.8$ max.	$\phi 3.8$ max.	$\phi 3.8$ max.
A	4.8 max.	5.3 max.	9.3 max.
L	10 max.	20 max.	18 max.

● EXCEL□SR35S

● EXCEL□DR35C

● EXCEL□DR22C
EXCEL□DR25C
EXCEL□DR27C

	EL□DR22C	EL□DR25C	EL□DR27C
A	2.8 max.	5.8 max.	7.8 max.
B	4.5 max.	7.0 max.	9.5 max.
L	4.5 +/- 1.0	4.5 +/- 1.0	8.0 +/- 1.0

● EXCEL□SU35C

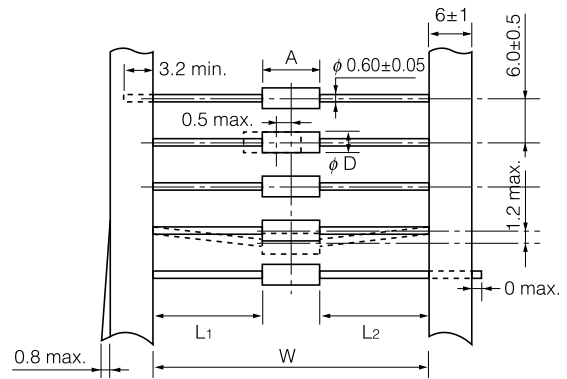
● EXCEL□DU25C

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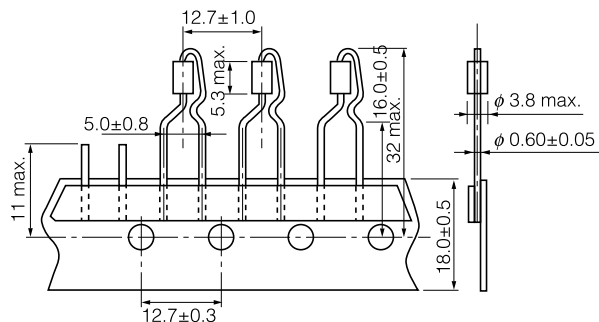
■ Taping Dimensions in mm (not to scale)

- EXCEL □ SA24T
- EXCEL □ SA35T
- EXCEL □ SA35V
- EXCEL □ SA39V

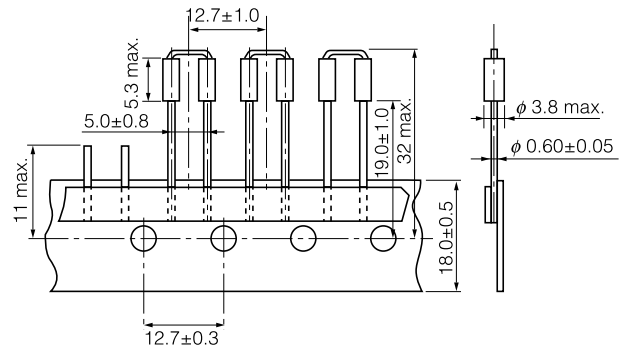
	EL □ SA24T	EL □ SA35T	EL □ SA35V	EL □ SA39V
D	φ2.8 max.	φ3.8 max.	φ3.8 max.	φ3.8 max.
A	4.8 max.	5.3 max.	5.3 max.	9.3 max.
W	26.0 ^{+0.5} ₋₀	26.0 ^{+0.5} ₋₀	52±1	52±1
L ₁ -L ₂	≤0.5	≤0.5	≤0.5	≤0.5



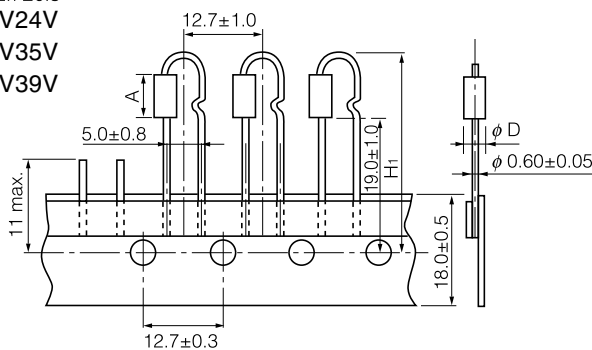
- EXCEL □ SR35T



- EXCEL □ DR35V

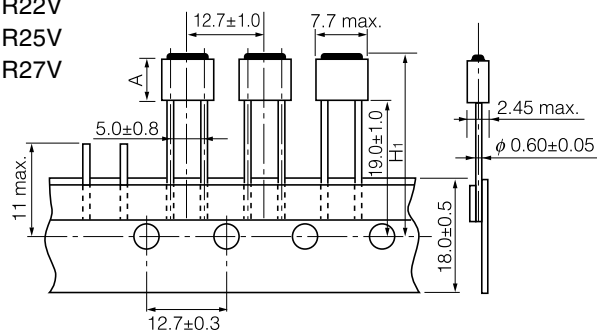


- EXCEL □ SV24V
- EXCEL □ SV35V
- EXCEL □ SV39V



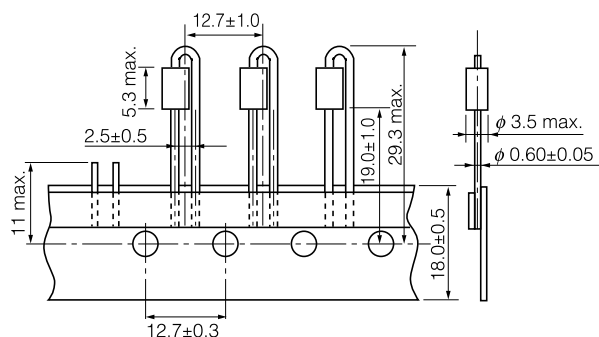
	EL □ SV24V	EL □ SV35V	EL □ SV39V
D	φ2.8 max.	φ3.8 max.	φ3.8 max.
A	4.8 max.	5.3 max.	9.3 max.
H ₁	28.8 max.	29.3 max.	33.3 max.

- EXCEL □ DR22V
- EXCEL □ DR25V
- EXCEL □ DR27V

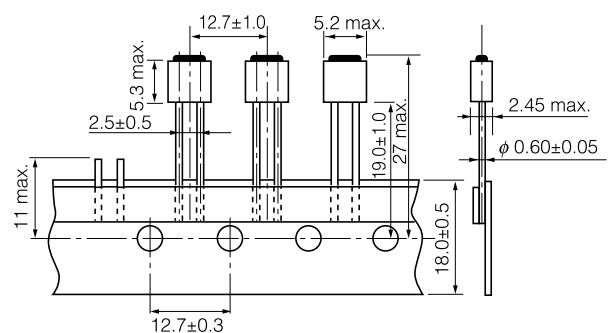


	EL □ DR22V	EL □ DR25V	EL □ DR27V
A	2.8 max.	5.3 max.	7.8 max.
H ₁	25.5 max.	27.0 max.	29.5 max.

- EXCEL □ SU35V

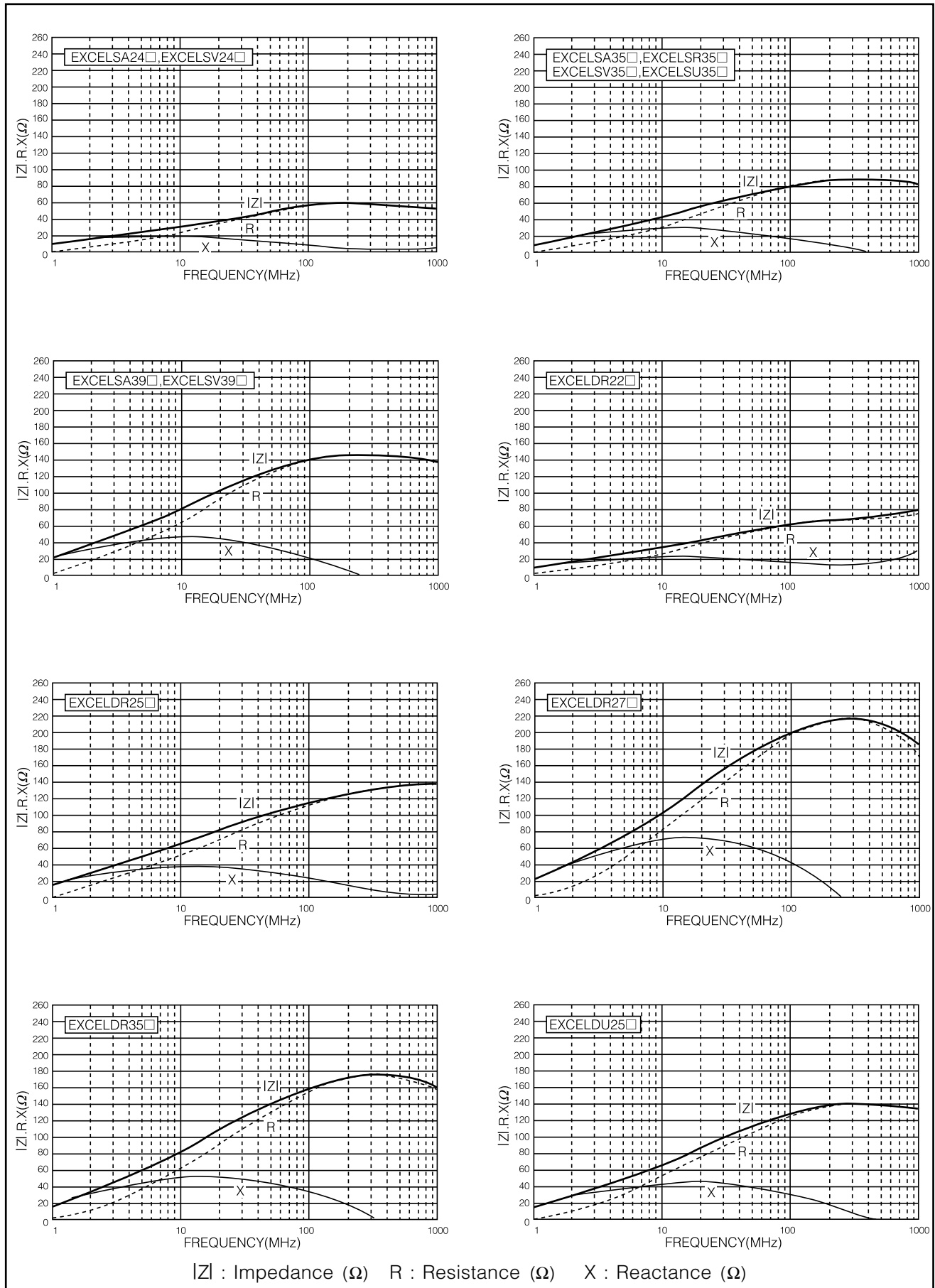


- EXCEL □ DU25V



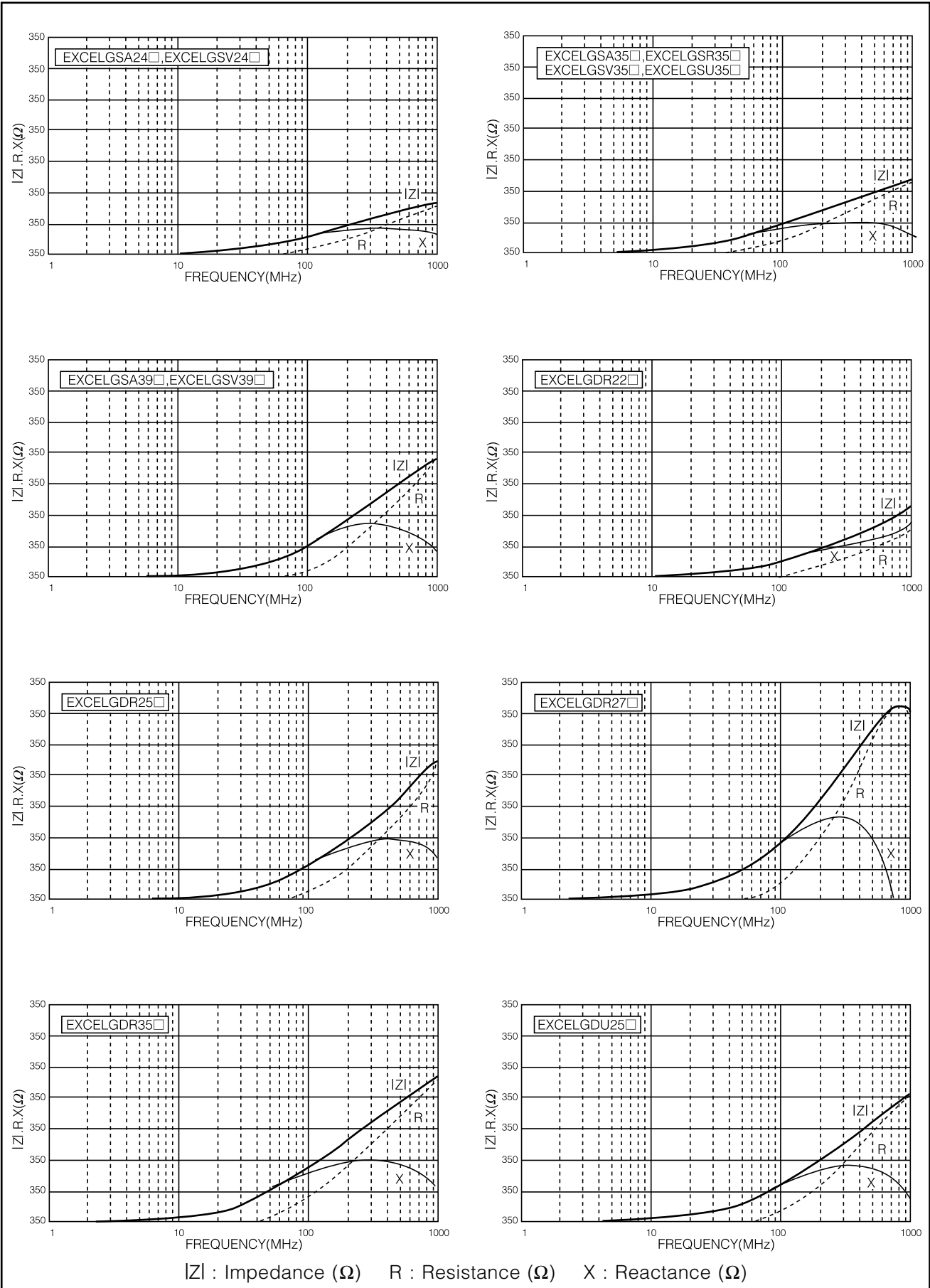
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Typical Impedance Characteristics Materials: F Type



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Materials: G Type

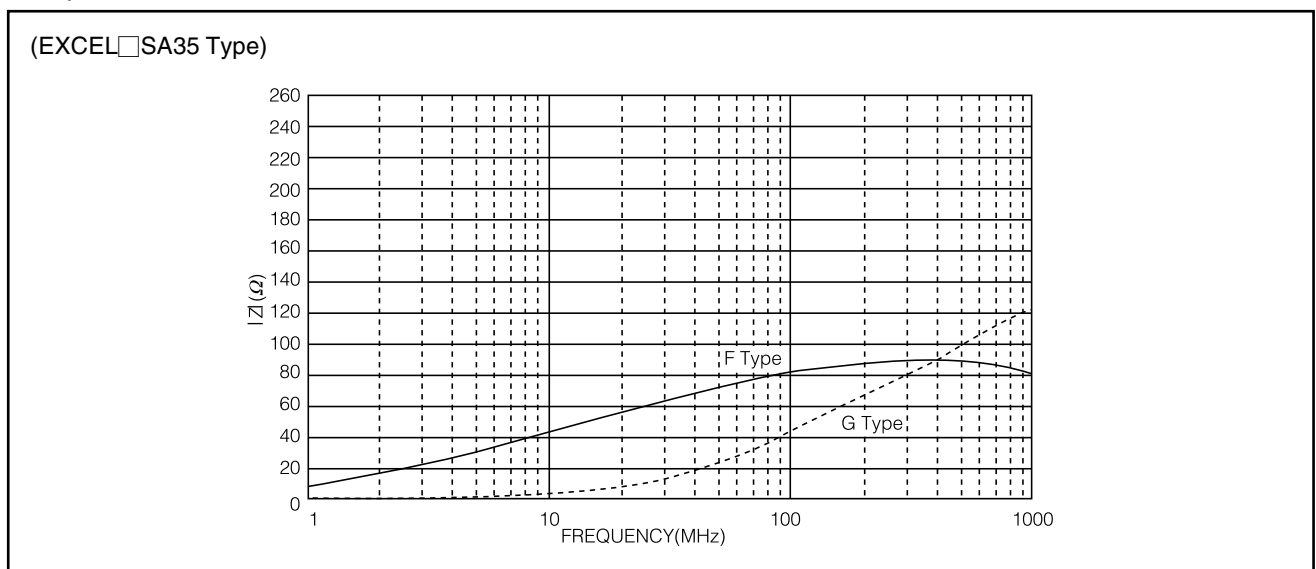


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■ Packing Methods

Part No.	Standard Quantity	Style	Weight	
EXCEL□SA24	200 pcs./Bag	Bulk	237 mg/pcs.	
EXCEL□SA24B	200 pcs./Bag		195 mg/pcs.	
EXCEL□SA35	100 pcs./Bag		462 mg/pcs.	
EXCEL□SA35B	200 pcs./Bag		354 mg/pcs.	
EXCEL□SA39	100 pcs./Bag		648 mg/pcs.	
EXCEL□SA39E	200 pcs./Bag		558 mg/pcs.	
EXCEL□SR35S	200 pcs./Bag		390 mg/pcs.	
EXCEL□SV24S	200 pcs./Bag		265 mg/pcs.	
EXCEL□SV35S	200 pcs./Bag		310 mg/pcs.	
EXCEL□SV39S	200 pcs./Bag		490 mg/pcs.	
EXCEL□SU35C	200 pcs./Bag		295 mg/pcs.	
EXCEL□DR22C	200 pcs./Bag		240 mg/pcs.	
EXCEL□DR25C	200 pcs./Bag		528 mg/pcs.	
EXCEL□DR27C	100 pcs./Bag		700 mg/pcs.	
EXCEL□DR35C	200 pcs./Bag		660 mg/pcs.	
EXCEL□DU25C	200 pcs./Bag		315 mg/pcs.	
EXCEL□SA24T	2000 pcs./Box		Flat box	237 mg/pcs.
EXCEL□SA35T	1000 pcs./Box			402 mg/pcs.
EXCEL□SA35V	1000 pcs./Box	462 mg/pcs.		
EXCEL□SA39V	1000 pcs./Box	648 mg/pcs.		
EXCEL□SR35T	1000 pcs./Box	470 mg/pcs.		
EXCEL□SV24V	1000 pcs./Box	330 mg/pcs.		
EXCEL□SV35V	1000 pcs./Box	470 mg/pcs.		
EXCEL□SV39V	1000 pcs./Box	650 mg/pcs.		
EXCEL□SU35V	1000 pcs./Box	455 mg/pcs.		
EXCEL□DR22V	2000 pcs./Box	400 mg/pcs.		
EXCEL□DR25V	2000 pcs./Box	606 mg/pcs.		
EXCEL□DR27V	2000 pcs./Box	860 mg/pcs.		
EXCEL□DR35V	1000 pcs./Box	741 mg/pcs.		
EXCEL□DU25V	1000 pcs./Box	475 mg/pcs.		

■ Impedance Characteristics



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⚠ Cautions for Safety

- Soldering Flux: Use rosin type or nonhalogenous type flux.
- Cleaning Solvent: Use alcohol type. Inquire for other type of cleaning solvent.
- Excessive mechanical stress may damage the components. Take care of handling.
- Store under temperature -5 to $+40$ °C and relative humidity 40 to 60%. Avoid rapid changes of temperature and humidity.
- Use the components within one year after our delivery.
- This catalog shows the quality and performance of unit component. For quality assurance, exchange the delivery specification with us. Before adoption, be sure to evaluate and verify the product mounting it in your product.