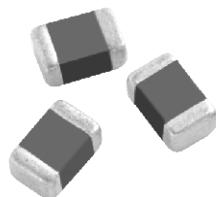


## Multilayer Ferrite Beads



### MECHANICAL SPECIFICATIONS

**Solderability:** 90 % coverage after 5 second dip in 235 °C solder following 60 second preheat at 120 °C to 150 °C and type R flux dip

**Resistance To Solder Heat:** 10 seconds in 260 °C solder after preheat and flux per above

**Terminal Strength:** 0.6 kilograms (1.32 pounds) minimum for 30 seconds

### FEATURES

- High reliability
- Surface mountable
- Magnetically self shielded
- Nickel barrier plating virtually eliminates silver migration
- 100 % lead (Pb)-free and RoHS compliant



**RoHS**  
COMPLIANT

**Beam Strength:** 1 kilogram (2.2 pounds) minimum

**Flex:** 0.079" [2 mm] minimum mounted on 0.063" [1.6 mm] thick PC board

### ENVIRONMENTAL SPECIFICATIONS

**Operating Temperature:** - 55 °C to + 125 °C

**Thermal Shock:** 100 cycles, - 40 °C to + 125 °C

**Biased Humidity:** 85 % RH at 85 °C, 1000 hours at full rated current

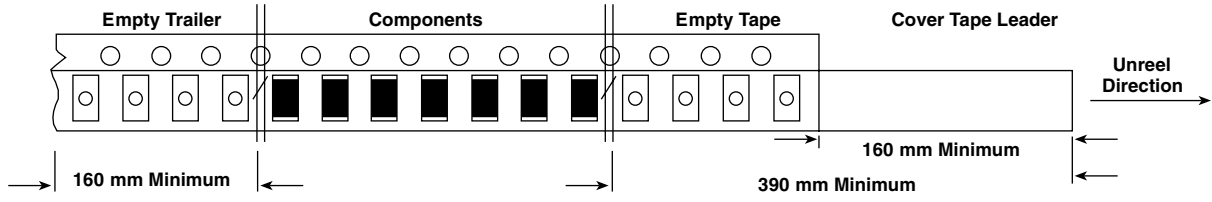
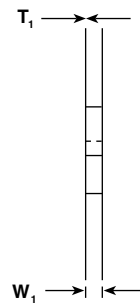
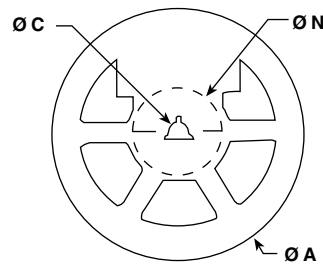
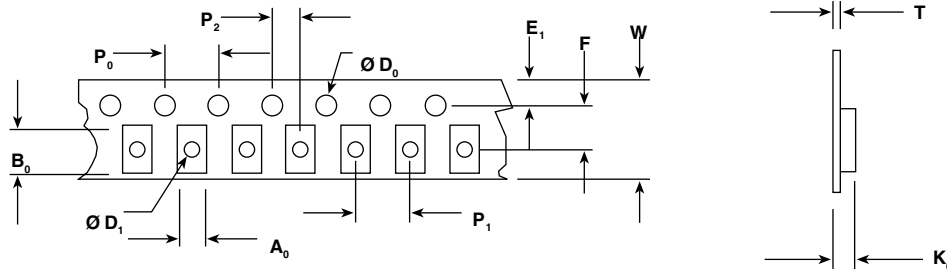
STANDARD ELECTRICAL SPECIFICATIONS		
Z at 100 MHz (± 25 %)	DCR MAX. (OhMs)	RATED DC CURRENT (mA)
7	0.06	600
11	0.06	600
17	0.06	600
26	0.06	600
32	0.06	600
40	0.15	300
50	0.15	300
60	0.15	300
75	0.15	300
80	0.15	300
90	0.15	300
100	0.15	300
120	0.15	300
150	0.15	300
180	0.20	200
220	0.20	200
300	0.20	200
400	0.30	200
420	0.30	200
600	0.30	200
1000	0.35	100
1500	0.40	100
2000	0.50	80
2200	0.60	80

PACKAGING OPTIONS
<ul style="list-style-type: none"> <li>• Tape and Reel: Embossed plastic carrier tape Per EIA481-1 4000 pieces on a 7" [178 mm] reel</li> </ul>

DIMENSIONS in inches [millimeters]			
Dimensional Outline			
A	B	C	D
0.079 ± 0.008 [2.0 ± 0.2]	0.049 ± 0.008 [1.25 ± 0.2]	0.020 ± 0.012 [0.5 ± 0.3]	0.035 ± 0.008 [0.9 ± 0.2]
Suggested Pad Layout			
E	F	G	H
0.120 [3.0]	0.039 [1.0]	0.039 [1.0]	0.039 [1.0]

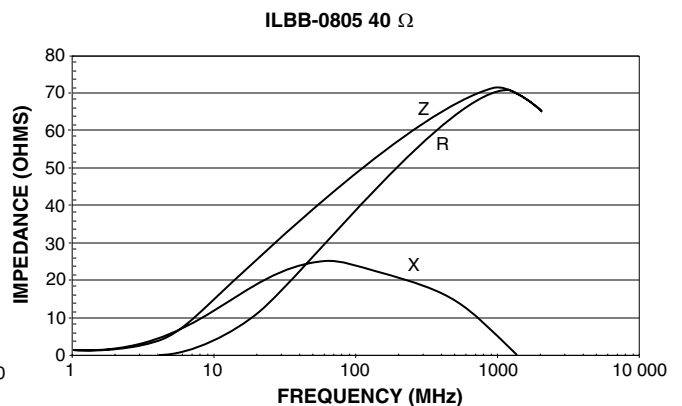
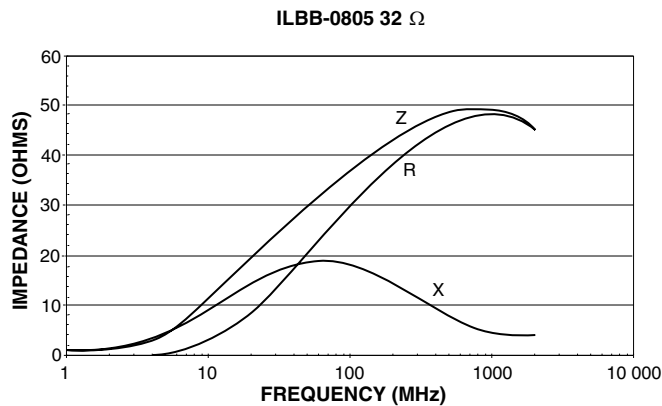
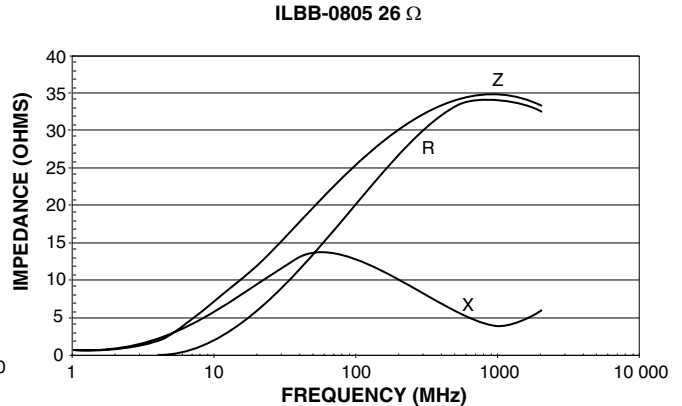
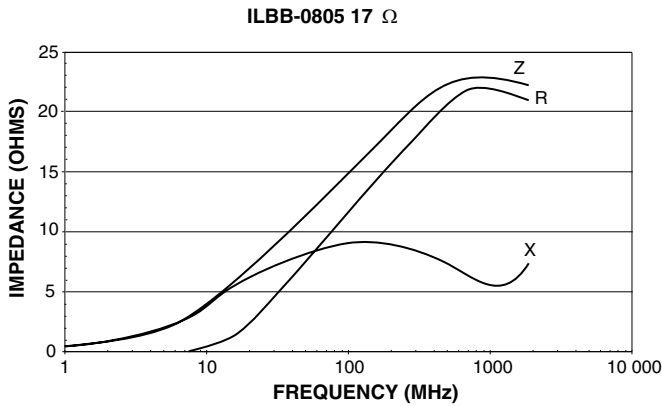
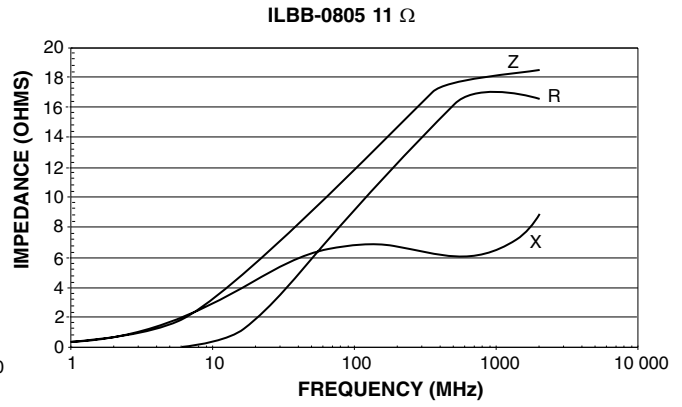
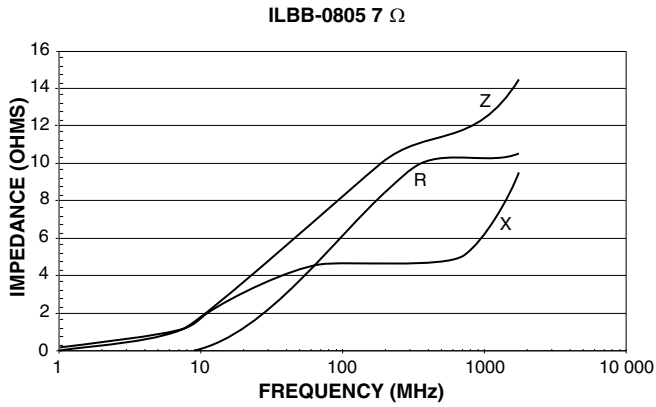
DESCRIPTION																		
ILBB-0805 MODEL	11 IMPEDANCE VALUE	± 25 % IMPEDANCE TOLERANCE	ER PACKAGE CODE	e3 JEDEC LEAD (Pb)-FREE STANDARD														
GLOBAL PART NUMBER																		
<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>I</td><td>L</td><td>B</td><td>B</td></tr> </table> MODEL	I	L	B	B	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>0</td><td>8</td><td>0</td><td>5</td></tr> </table> SIZE	0	8	0	5	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>E</td><td>R</td></tr> </table> PACKAGE CODE	E	R	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>1</td><td>1</td><td>0</td></tr> </table> IMPEDANCE VALUE	1	1	0	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr><td>V</td></tr> </table> IMPEDANCE TOLERANCE	V
I	L	B	B															
0	8	0	5															
E	R																	
1	1	0																
V																		

**TAPE AND REEL SPECIFICATIONS 0805 SIZE PER EIA-481-1** in inches [millimeters]

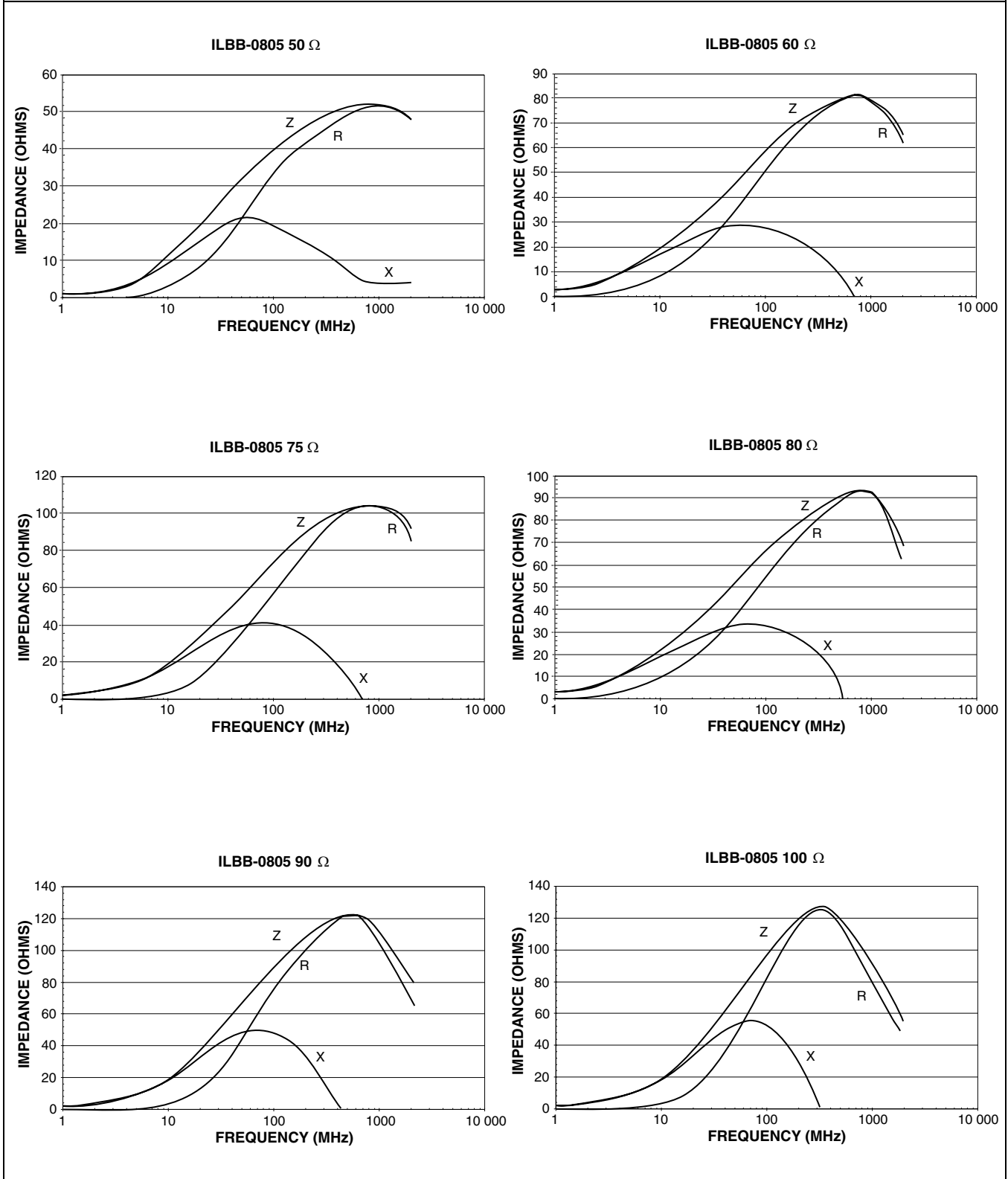


$A_0$	$0.059 \pm .004$ [1.50 ± 0.1]	$P_2$	$0.079 \pm .002$ [2.00 ± 0.05]
$B_0$	$0.093 \pm .006$ [2.35 ± 0.15]	$W$	0.327 Max. [8.3 Max.]
$D_0$	$0.059 + .004/- 0.000$ [1.5 + 1/- 0.0]	$T$	$0.008 \pm .002$ [0.2 ± 0.05]
$D_1$	0.039 Min. [1.0 Min.]	$A$	$7.000 \pm .079$ [178 ± 2.0]
$E_1$	$0.069 \pm .004$ [1.75 ± 0.1]	$N$	2.500 [63.5]
$F$	$0.138 \pm .002$ [3.50 ± 0.05]	$C$	$0.512 \pm .020/- 0.008$ [13 + 0.5/- 0.2]
$K_0$	$0.049 \pm .002$ [1.24 ± 0.05]	$W_1$	$0.315 + 0.059/- 0.00$ [8.00 + 1.50]
$P_0$	$0.157 \pm .004$ [4.00 ± 0.1]	$T_1$	$0.079 \pm .002$ [2.00 ± 0.05]
$P_1$	$0.157 \pm .004$ [4.00 ± 0.1]		

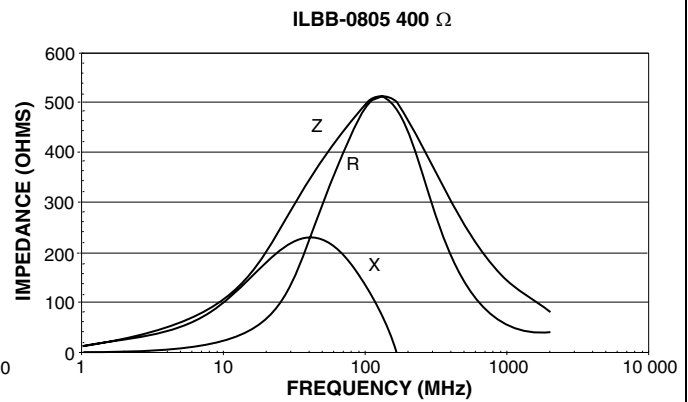
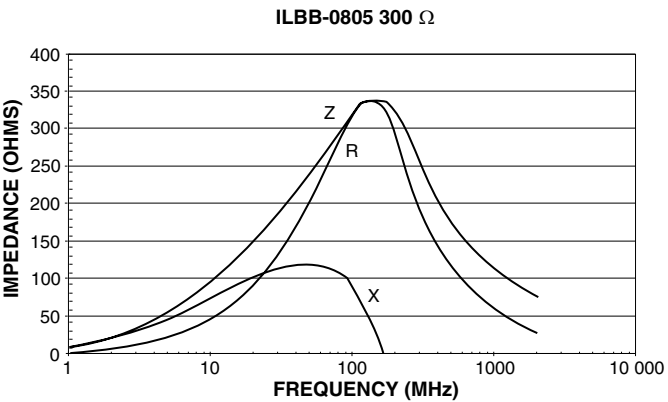
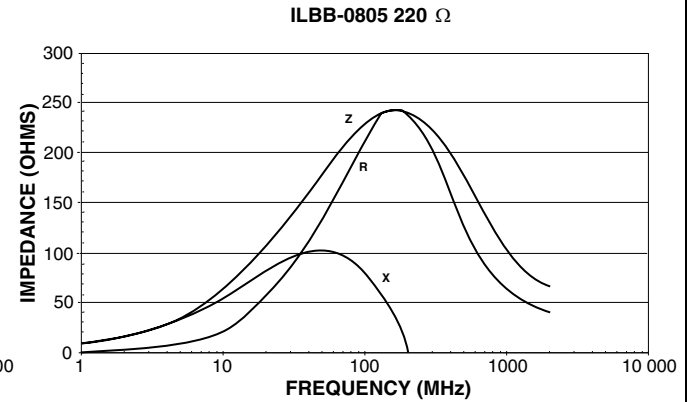
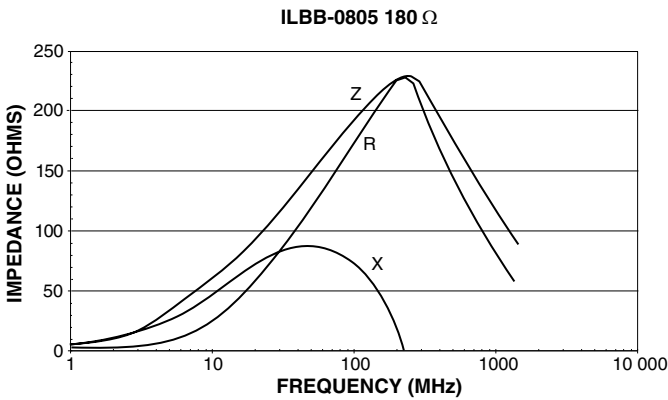
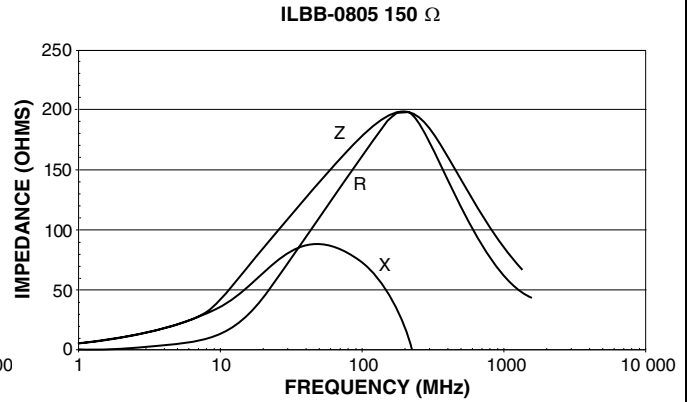
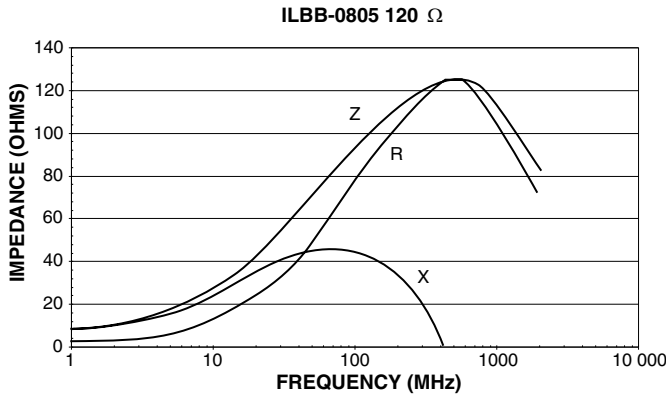
**TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z**



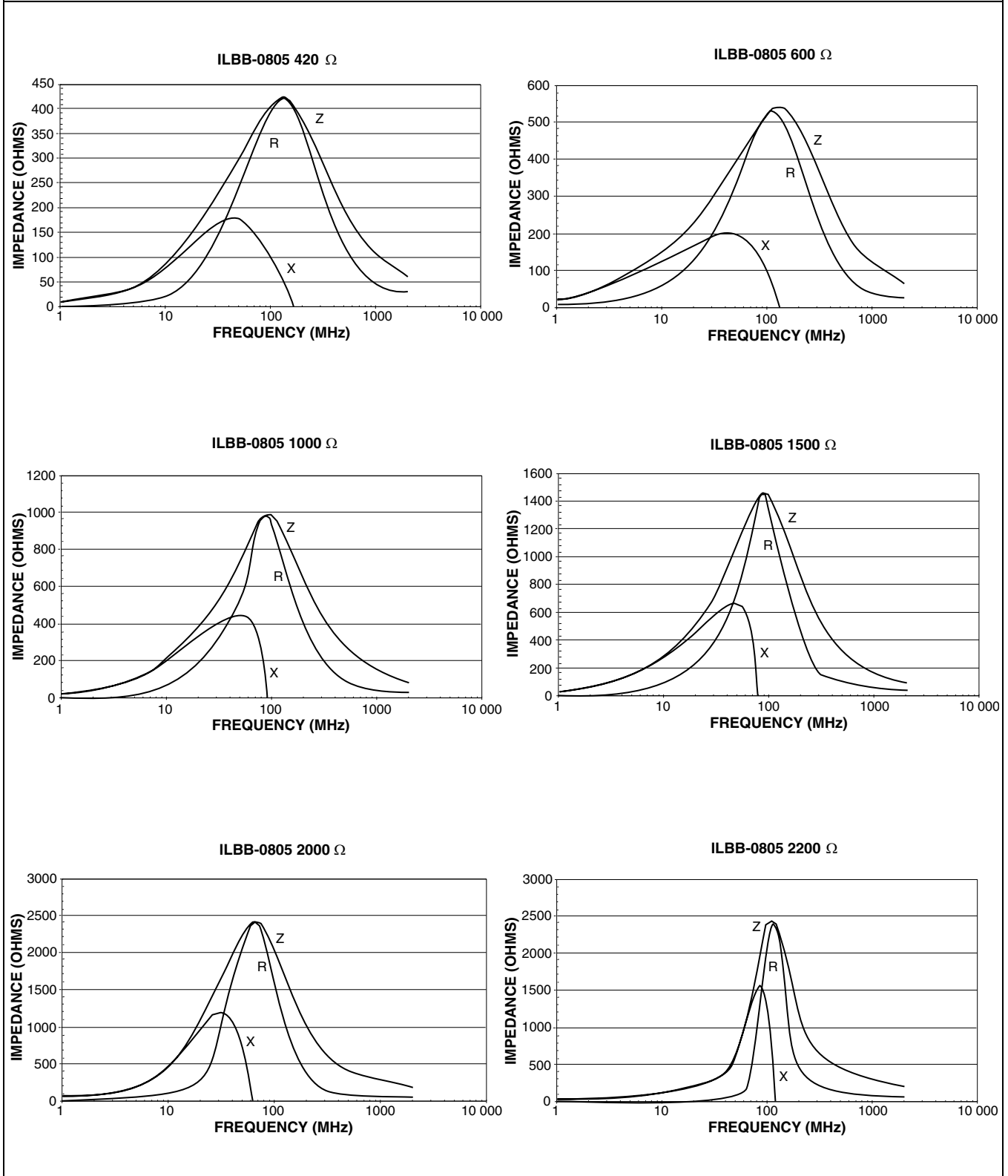
**TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z**



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**TYPICAL CURVES - FREQUENCY CHARACTERISTICS OF R, X AND Z**





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