



Rated impedance 30 to 2000 Ω
Rated current 0,1 to 0,5 A



Construction

- Size 0603 to 1210 (EIA) or 1608 to 3225 (IEC)
- Multilayer technology with ferrite

Features

- Broadband attenuation
- Suitable for reflow (IR and vapor phase) and wave soldering

Applications

Prevention of high-frequency EMI in

- computers, printers
- VCRs, TVs
- cordless phones
- mobile phones

Terminals

- Tinned
- Ni intermediate layer

Marking

No marking on component

Minimum marking on reel:

Manufacturer, part number, ordering code,
Z value and tolerance of Z value,
quantity, date of packing

Delivery mode

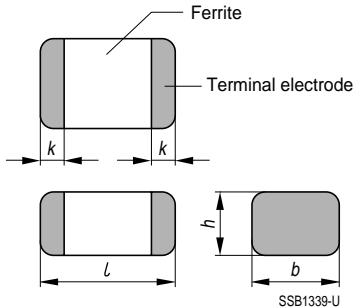
8-mm blister tape wound on 178-mm \varnothing reel

For details on taping, packing and packing units [see page 234](#)

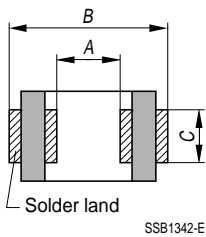


General technical data

| | |
|------------------------------|--|
| Impedance $ Z $ | Measured with HP 4291A at frequency f_Z |
| Rated current I_R | Maximum dc current at ambient temperature $T_A = 85^\circ\text{C}$ |
| DC resistance R_{\max} | Measured at 20°C ambient temperature |
| Climatic category | In accordance with IEC 60068-1 40/085/56 ($-40^\circ\text{C}/+85^\circ\text{C}/56$ days damp heat test) |
| Storage temperature | $-40^\circ\text{C}/+85^\circ\text{C}$ |
| Soldering: | |
| Wave soldering | Maximum 260°C , 5 s |
| Infrared soldering | Maximum 250°C , 30 s temperature/time profile $> 215^\circ\text{C}$, max. 60 s |
| Vapor-phase soldering | Maximum $(215 \pm 5)^\circ\text{C}$, max. 60 s |
| Solderability | $(230 \pm 5)^\circ\text{C}$, $(4 \pm 1,0)$ s after preheating at 120 to 150°C , 60 s wetting of soldering area: $\geq 90\%$ |
| Resistance to soldering heat | $(260 \pm 5)^\circ\text{C}$, $(10 \pm 0,5)$ s after preheating at 120 to 150°C , 60 s impedance change max. $\pm 75\%$ |
| Permissible PCB bending | 2 mm (100 mm long standard PCB) |
| Temperature cycles | $-40^\circ\text{C}/+85^\circ\text{C}$, for each 30 min., total 100 cycles impedance change $\leq 20\%$ |
| Humidity test | 40°C , 90 to 95 % r. h. at 200 mA, 1000 h impedance change $\leq 20\%$ |
| Life test | 1000 h at 85°C and 200 mA impedance change $\leq 20\%$ |

Dimensional drawing


| Type | Size | | Dimensions (mm) | | | |
|----------|------|------|-----------------|------------|------------|-----------|
| | EIA | IEC | <i>l</i> | <i>b</i> | <i>h</i> | <i>k</i> |
| B82482-B | 0603 | 1608 | 1,6 ± 0,2 | 0,8 ± 0,15 | 0,8 ± 0,15 | 0,4 ± 0,2 |
| B82483-B | 0805 | 2012 | 2,0 ± 0,2 | 1,25 ± 0,2 | 0,9 ± 0,2 | 0,5 ± 0,3 |
| B82485-B | 1206 | 3216 | 3,2 ± 0,2 | 1,6 ± 0,2 | 1,1 ± 0,2 | 0,5 ± 0,3 |
| B82486-B | 1210 | 3225 | 3,2 ± 0,2 | 2,5 ± 0,2 | 1,3 ± 0,2 | 0,5 ± 0,3 |

PCB layout recommendation


| Type | Size | | Dimensions (mm) | | |
|----------|------|------|-----------------|-------------|----------|
| | EIA | IEC | <i>A</i> | <i>B</i> | <i>C</i> |
| B82482-B | 0603 | 1608 | 0,8 | 2,4 ... 3,4 | 0,6 |
| B82483-B | 0805 | 2012 | 1,2 | 3,0 ... 4,0 | 1,0 |
| B82485-B | 1206 | 3216 | 2,0 | 4,2 ... 5,2 | 1,2 |
| B82486-B | 1210 | 3225 | 2,0 | 4,2 ... 5,2 | 1,8 |



Characteristics and ordering codes

For further technical data [see page 226](#).

| Size EIA | IEC | $ Z $ Ω | Toler- ance | f_z MHz | I_R A | R_{max} Ω | Ordering code |
|-------------|------|-------------------|----------------|--------------|------------|-----------------------|----------------|
| 0603 | 1608 | 30 | $\pm 25\%$ | 100 | 0,2 | 0,2 | B82482-B1300-A |
| | | 60 | | 100 | 0,2 | 0,2 | B82482-B1600-A |
| | | 80 | | 100 | 0,2 | 0,3 | B82482-B1800-A |
| | | 120 | | 100 | 0,2 | 0,3 | B82482-B1121-A |
| | | 300 | | 100 | 0,1 | 0,6 | B82482-B1301-A |
| 0805 | 2012 | 32 | $\pm 25\%$ | 100 | 0,5 | 0,2 | B82483-B1320-A |
| | | 80 | | 100 | 0,4 | 0,4 | B82483-B1800-A |
| | | 120 | | 100 | 0,2 | 0,4 | B82483-B1121-A |
| | | 300 | | 100 | 0,2 | 0,9 | B82483-B1301-A |
| | | 600 | | 100 | 0,2 | 1,0 | B82483-B1601-A |
| | | 1000 | | 100 | 0,1 | 1,0 | B82483-B1102-A |
| 1206 | 3216 | 32 | $\pm 25\%$ | 100 | 0,5 | 0,15 | B82485-B1320-A |
| | | 70 | | 100 | 0,4 | 0,3 | B82485-B1700-A |
| | | 90 | | 100 | 0,4 | 0,3 | B82485-B1900-A |
| | | 150 | | 100 | 0,2 | 0,5 | B82485-B1151-A |
| | | 600 | | 100 | 0,2 | 0,5 | B82485-B1601-A |
| | | 1200 | | 50 | 0,1 | 1,0 | B82485-B1122-A |
| | | 1210 | | 3225 | 90 | $\pm 25\%$ | 100 |
| 2000 | 30 | | 0,1 | | 1,5 | | B82486-B1202-A |



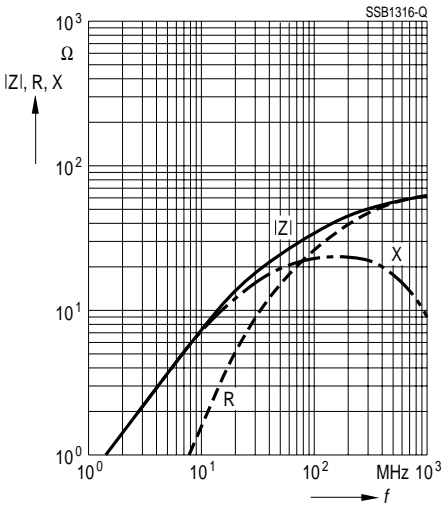
Typical electrical characteristics

Impedance $|Z|$, real part R and imaginary part X versus frequency f

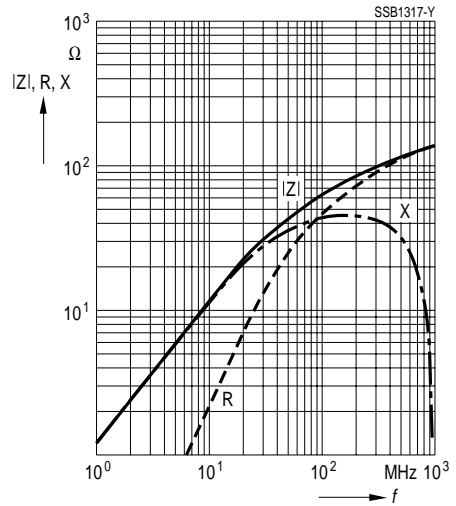
————— $|Z|$ - - - - - R - - - - - X

Size 0603

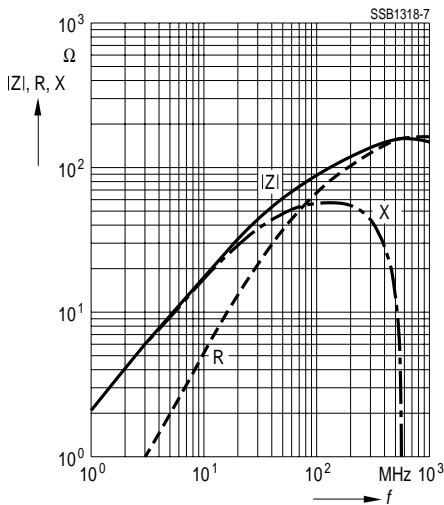
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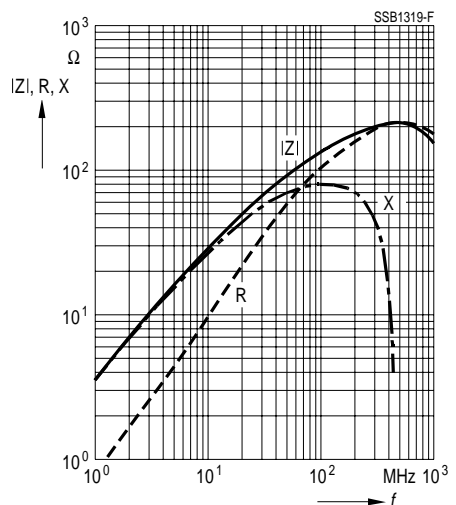
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B82482-B1800-A



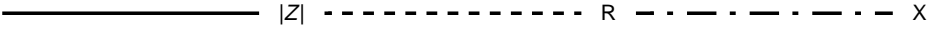
B82482-B1121-A





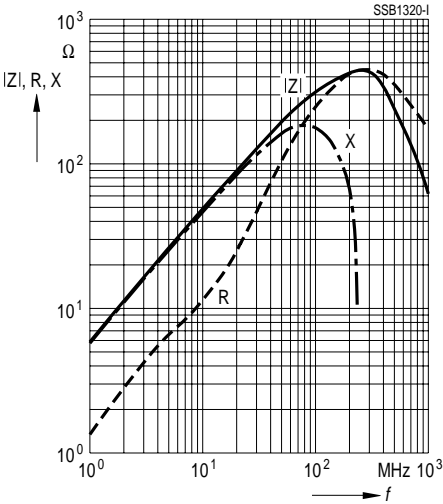
Typical electrical characteristics

Impedance $|Z|$, real part R and imaginary part X versus frequency f



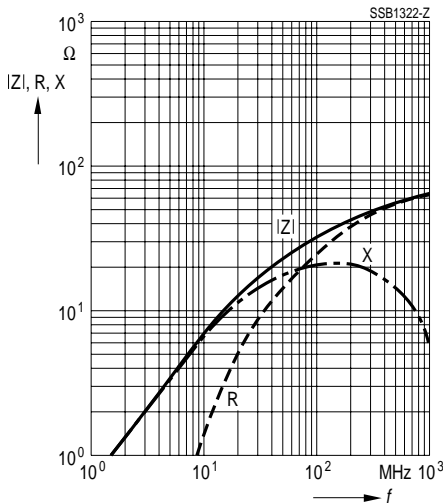
Size 0603

B82482-B1301-A

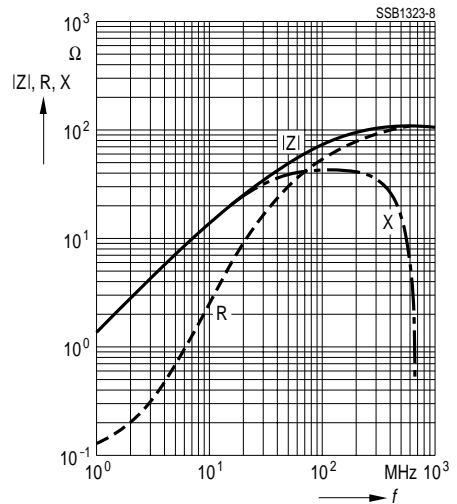


Size 0805

B82483-B1320-A



B82483-B1800-A





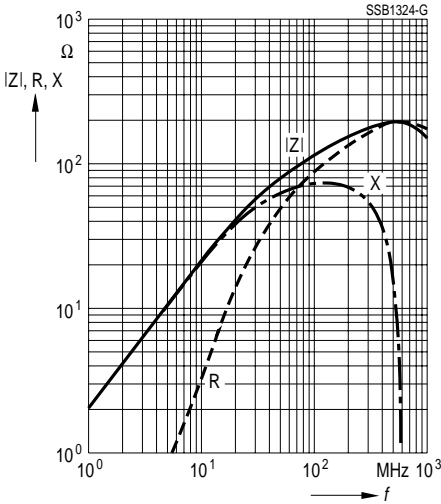
Typical electrical characteristics

Impedance $|Z|$, real part R and imaginary part X versus frequency f

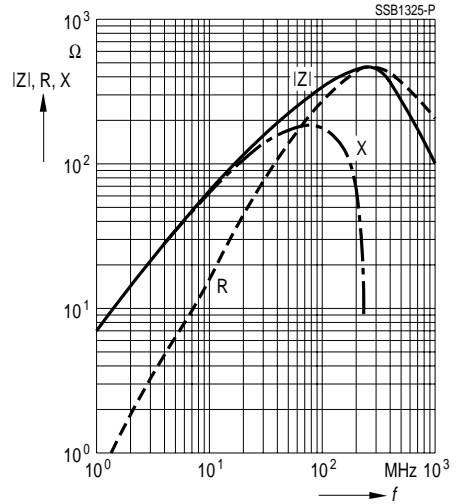
————— $|Z|$ - - - - - R - - - - - X

Size 0805

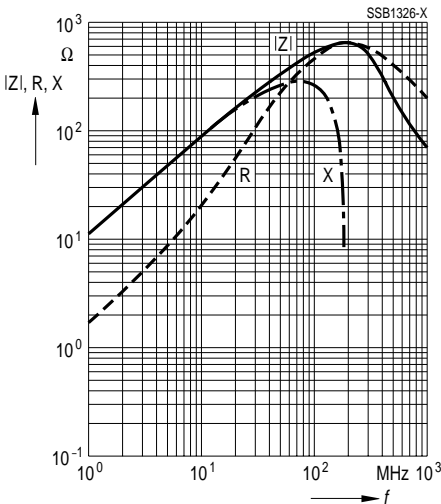
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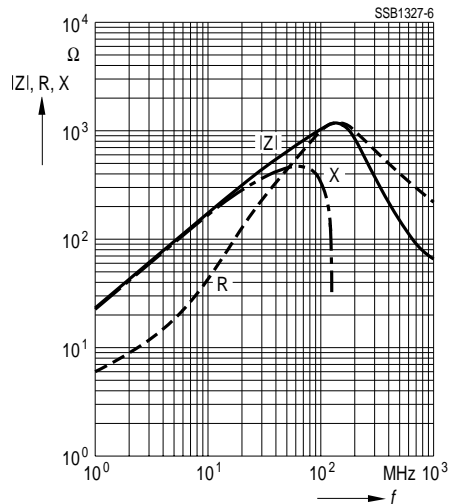
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B82483-B1601-A



B82483-B1102-A





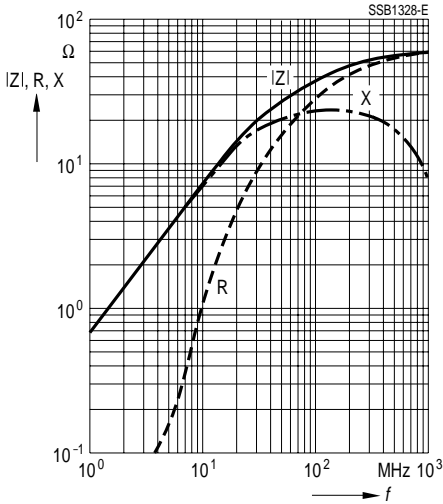
Typical electrical characteristics

Impedance $|Z|$, real part R and imaginary part X versus frequency f

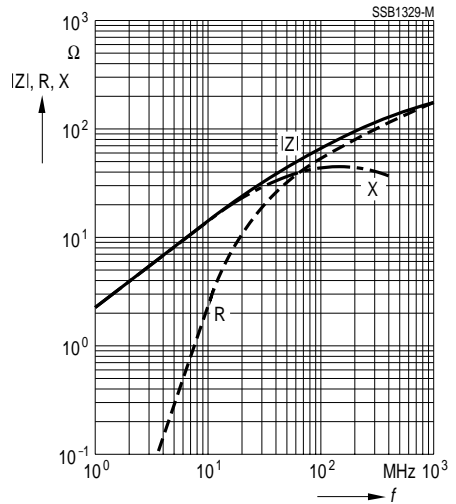
————— $|Z|$ - - - - - R - - - - - X

Size 1206

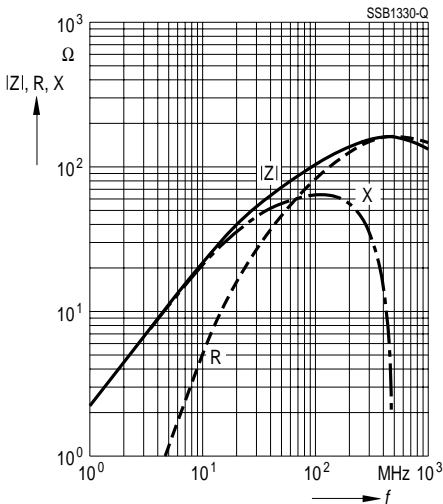
B82485-B1320-A



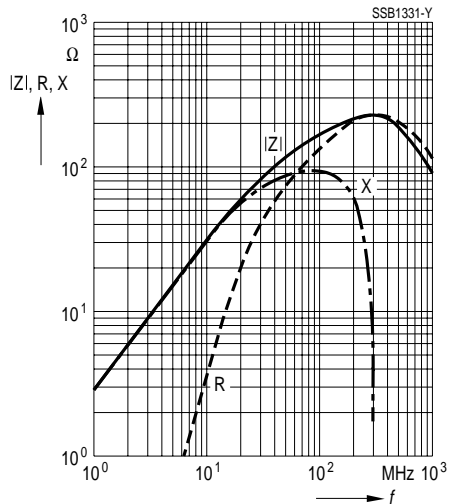
B82485-B1700-A



B82485-B1900-A



B82485-B1151-A





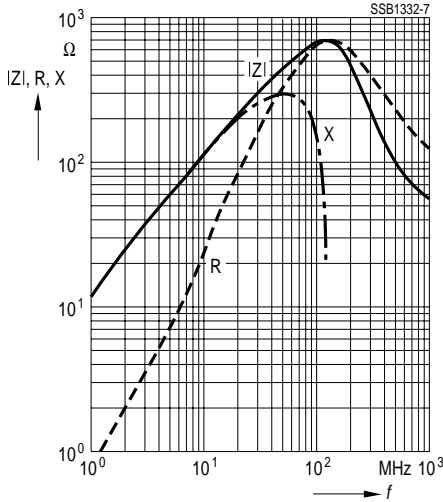
Typical electrical characteristics

Impedance $|Z|$, real part R and imaginary part X versus frequency f

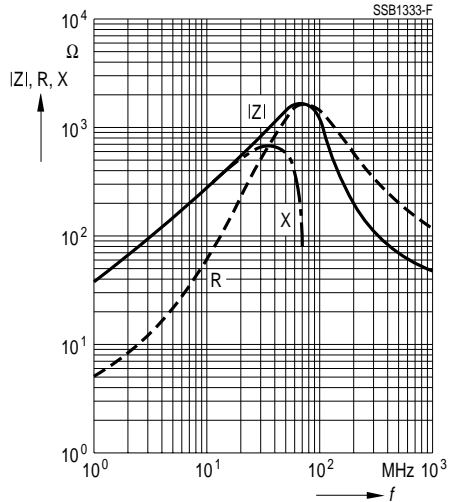
————— $|Z|$ - - - - - R - - - - - X

Size 1206

B82485-B1601-A

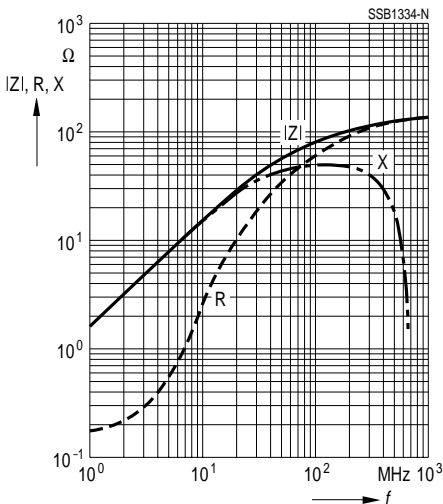


B82485-B1122-A

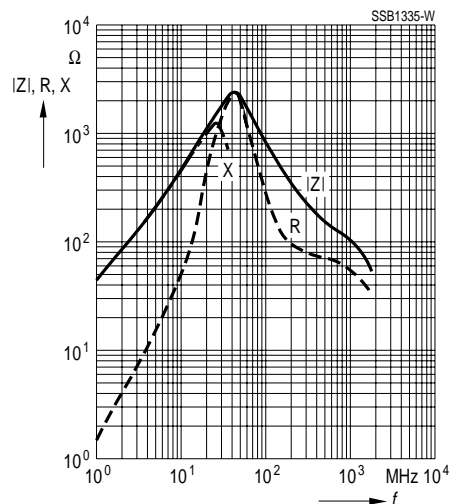


Size 1210

B82486-B1900-A



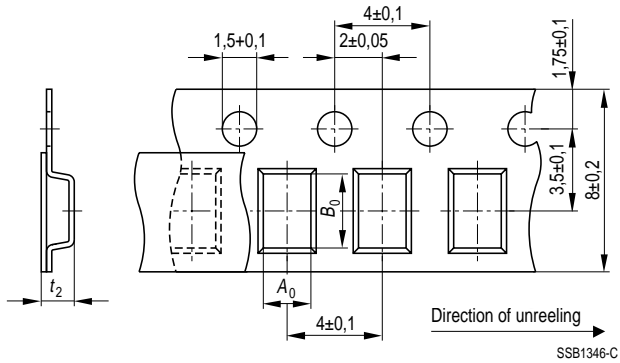
B82486-B1202-A



查询"B82486-B1900-A"供应商

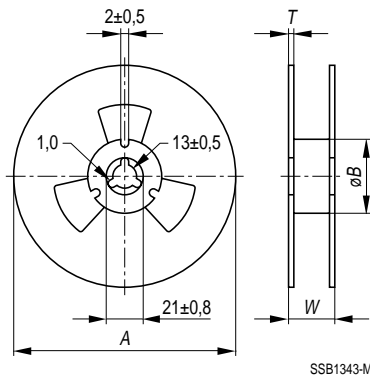


8-mm blister tape



| Type | Size | | Dimensions (mm) | | |
|----------|------|------|-----------------|----------------|--------------|
| | EIA | IEC | A_0 | B_0 | t_2 (max.) |
| B82482-B | 0603 | 1608 | $1,14 \pm 0,1$ | $1,75 \pm 0,1$ | 1,3 |
| B82483-B | 0805 | 2012 | $1,54 \pm 0,1$ | $2,32 \pm 0,1$ | 1,3 |
| B82485-B | 1206 | 3216 | $1,94 \pm 0,1$ | $3,54 \pm 0,1$ | 1,6 |
| B82486-B | 1210 | 3225 | $2,80 \pm 0,2$ | $3,54 \pm 0,2$ | 1,9 |

Reel packing



| Type | Size | | Dimensions (mm) | | | | Packing unit Pieces/reel |
|----------|------|------|-----------------|-----------------|------------|---------------|-----------------------------|
| | EIA | IEC | A | $\varnothing B$ | W | T | |
| B82482-B | 0603 | 1608 | 178 ± 2 | 60 ± 1 | 11 ± 1 | $1,2 \pm 0,5$ | 4000 |
| B82483-B | 0805 | 2012 | | | | | 4000 |
| B82485-B | 1206 | 3216 | | | | | 3000 |
| B82486-B | 1210 | 3225 | | | | | 2500 |