

# Series 1776-X

Input Voltage Dividers for multimeters and other instruments

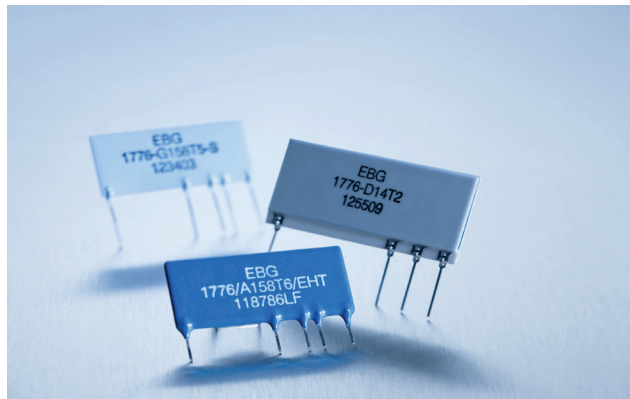
A Miba Group Company

EBG Resistors offers a family of voltage dividers for a variety of applications, including digital multimeters, multi-range instrumentation and other range-switching devices. This line of products uses the special EBG METOXFILM.

Many special combinations of ratios, absolute & relative tolerances and absolute temperature coefficients of resistance are available. For special requirements, please contact us.

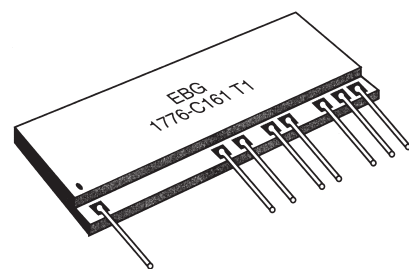
### Features

- Compact precision resistor networks
- Easy-to-install package
- Non-Inductive design
- ROHS compliant



### Technical Specifications

<b>Resistance value</b>	900 Ω to 10M Ω (see model specifications)
<b>Ratio resistance tolerance</b>	±0.05 % to 0.25 %
<b>Absolute resistance tolerance</b>	±0.1 % to 0.5 %
<b>Ratio temperature coefficient</b>	±10 ppm/°C to 50 ppm/°C
<b>Absolute temperature coefficient</b>	±25 ppm/°C to 50 ppm/°C
<b>Voltage coefficient</b>	typical -0,05 ppm/V
<b>Storage temperature</b>	-55°C to +165°C
<b>Load life (ratio stability)</b>	< 0.04 %
<b>Shelf life (ratio stability)</b>	< 0.02 % (six months)
<b>High stability under load</b>	< 0.2 %
<b>Number of decades</b>	3 to 6
<b>Weight</b>	ask for details



### Model Specifications

Model no.	Resistance values					Figure	Voltage rating	Absolute tol. %	Ratio tol. %	Absol. TC ppm/°C	Ratio TC ppm/°C	Vol. coef. ratio ppm/V	Ratio stability % change in ratio			
	R1 Ω	R2 Ω	R3 Ω	R4 Ω	R5 Ω								Load life	Shelf life	Over-Voltage	
B169 T3-X	9M	900K	90K	9K	900	1	1200	0.1	0.1	30	10	0.1	0.02	0.01	0.01	C
B168 T3-X	9M	900K	90K	9K	1K	1	1200	0.1	0.1	30	10	0.1	0.02	0.01	0.01	C
E167 T1-X	9M	900K	90K	9K	900	2	1200	0.25	0.25	50	50	0.5	0.04	0.02	0.04	C
B167 T1-X	9M	900K	90K	9K	900	2	1200	0.1	0.1	50	50	0.5	0.04	0.02	0.04	C
E166 T1-X	9M	900K	90K	9K	1K	2	1200	0.25	0.25	50	50	0.5	0.04	0.02	0.04	C
B166 T1-X	9M	900K	90K	9K	1K	2	1200	0.1	0.1	50	50	0.5	0.04	0.02	0.04	C
E16 T1-X	9M	900K	90K	9K	900	3	1200	0.25	0.25	50	50	0.3	0.04	0.02	0.04	C
B16 T1-X	9M	900K	90K	9K	900	3	1200	0.1	0.1	50	50	0.2	0.02	0.01	0.02	C
A16 T1-X	9M	900K	90K	9K	900	3	1200	0.1	0.05	50	50	0.2	0.02	0.01	0.02	C
E161 T1-X	9M	900K	90K	9K	1K	3	1200	0.25	0.25	50	50	0.3	0.04	0.02	0.04	C
D161 T1-X	9M	900K	90K	9K	1K	3	1200	0.25	0.1	50	50	0.2	0.02	0.01	0.02	C
C161 T1-X	9M	900K	90K	9K	1K	3	1200	0.25	0.05	50	50	0.2	0.02	0.01	0.02	C
F37 T3-X	9M	900K	90K	10K	N/A	4	1200	+0-0.5	0.1	30	10	0.02	0.02	0.01	0.01	
F379 T3-X	9M	900K	90K	10K	N/A	5	1200	+0-0.5	0.1	30	10	0.02	0.02	0.01	0.01	
C15 T3-X	9M	900K	90K	10K	N/A	6	1200	0.25	0.05	30	10	0.02	0.02	0.01	0.01	
D15 T3-X	9M	900K	90K	10K	N/A	6	1200	0.25	0.1	30	10	0.02	0.02	0.01	0.01	
D14 T2-X	9.9M	90K	10K	N/A	N/A	7	1200	0.25	0.1	30	25	0.2	0.02	0.01	0.02	C
D14 T3-X	9.9M	90K	10K	N/A	N/A	7	1200	0.25	0.1	30	10	0.02	0.02	0.01	0.01	C
E39 T3-X	10M	1.111M	101.01K	10.01K	1.0001K	8	1200	0.25	0.25	30	10	0.1	0.02	0.01	0.01	C
B39 T3-X	10M	1.111M	101.01K	10.01K	1.0001K	8	1200	0.1	0.1	30	10	0.1	0.02	0.01	0.01	C
G39 T1-X	10M	1.111M	101.01K	10.01K	1.0001K	8	1200	0.5	0.5	50	50	0.5	0.04	0.02	0.04	C
E39 T1-X	10M	1.111M	101.01K	10.01K	1.0001K	8	1200	0.25	0.25	50	50	0.5	0.04	0.02	0.04	C
E159 T5-X	900K	90K	9K	900	N/A	9	750	0.25	0.25	25	25	0.4	0.02	0.01	0.02	C
B159 T6-X	900K	90K	9K	900	N/A	9	750	0.1	0.1	25	15	0.3	0.02	0.01	0.02	C
A159 T6-X	900K	90K	9K	900	N/A	9	750	0.1	0.05	25	15	0.3	0.02	0.01	0.02	C
G158 T5-X	900K	90K	9K	1K	N/A	9	750	0.25	0.25	25	25	0.4	0.02	0.01	0.02	C
B158 T6-X	900K	90K	9K	1K	N/A	9	750	0.1	0.1	25	15	0.3	0.02	0.01	0.02	C
A158 T6-X	900K	90K	9K	1K	N/A	9	750	0.1	0.05	25	15	0.3	0.02	0.01	0.02	C

for „X“ in model no., please select (surface finish): **B** - printed silicone, **E** - epoxy encapsulation, **C** - ceramic cover plate (if available), **S** - silicone conformal

The above spec. sheet features our standard products. For further options please contact our local EBG representative or contact us directly.

sales@ebg-resistors.com · sales@ebg-us.com