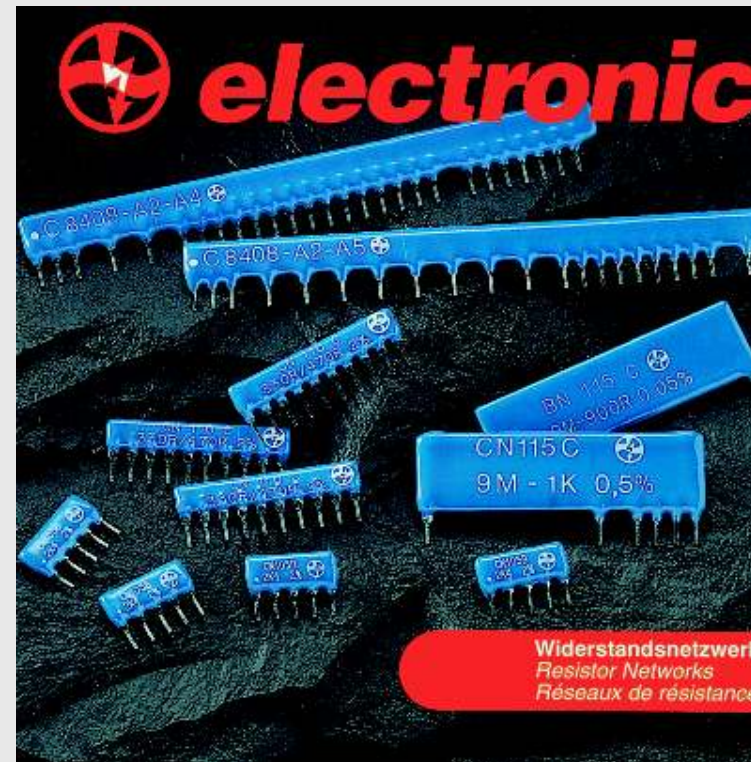


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**electronic**  
sensor + resistor

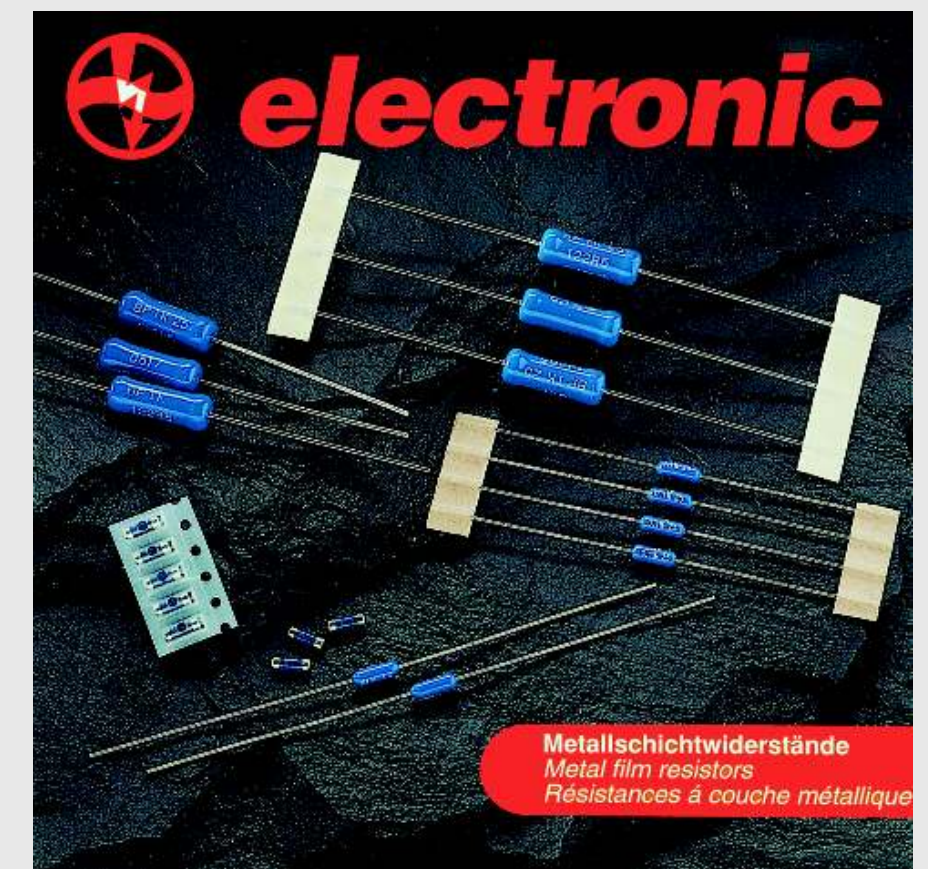
PRECISION - RESISTORS AND  
RESISTOR - NETWORKS IN  
METALFILM - OR  
THICKFILM-TECHNOLOGY



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single resistors within 1 week

	METALFILM					THICKFILM														
	PRECISION RESISTORS			SIL-NETWORKS		SIL- / FLIP CHIP - RESISTORS					SIL-NETWORKS					RESISTIVE ELEMENTS				
Type	MELF 0207	BP 0207	BP 0617	BN 115	BK 1xx	CS003 CS003C	CS004 CS004C	CS005 CS005C	CS006 CS006C	CS007 CS007C	CS009	CN106A CN106B	CN107B	CN108A CN108B	CN109B	CN110A CN110B CN110C	CN115C			
Rated Dissipation P <sub>70</sub> [ W ]	0,4	0,4	0,65	0,14 / resistor		0,125	0,25	0,4	0,7	1,5	3	Version A : 0,25 / res. Version B : 0,15 / res.					0,14			
Limiting Element Volt. [ V ]	300	300	500	max. 1200	customer specific	100	250	750	2000	10000	20000	100					1200			
Dimensions (H x W) [ mm ]	2,1 x 5,5	2,5 x 6,5	5,8 x 15,2	13 x max. 52		6 x 5	6 x 7,3	6 x 12,5	6 x 22,5	9 x 39	9 x 78	6 x 15	6 x 17,4	6 x 19,8	6 x 22,3	6 x 25,3	13 x 39			
Thickness [ mm ]				3,9		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5			
Resist. Range from [ Ohm ]	1	1	3	900 / 1 K	10	100	10 K	10 K	100 K	100 K	1 M	10					1K (900)			
Resist. Range to [ Ohm ]	5 M	10 M	10 M	10 M	500 M	500 M	1 G	10 G	10 G	10 G	20 G	10 G					10 M			
Tolerance [ % ]	±0,05 / 0,1 / 0,25 / 0,5 / 1			±0,05 / 0,1 / 0,25		±0,5 / 1 / 2 / 5 / 10					±1 / 2 / 5					abs.: ±10...±20 ; lin: 0,5...2				
Temp.Characteristics [ 10 <sup>-6</sup> /K ]	±3 / 5 / 10 / 15 / 25 / 50		±10 / 15 / 25	±3 / 5 / 10 / 15 / 25 / 50		± 100 / 250					±100					±300				
Features:	customer specific resistor values			customer specific values, max. 32 Pins		customer specific values					customer specific values, max. 32 Pins					customer specific layout and resistance values				
Specifications for Networks: ( different resistance-values for each resistor possible )				<p>A: single</p> <p>C: divider</p> <p>B: common</p>							<p>A: single</p> <p>C: divider</p> <p>B: common</p>									
Circuit				divider (C)	customer specific						A, B, C customer specific (CK 1xx)									
Max. Numbers of Resistors				5	18						3 / 5	6	4 / 7	8	5 / 9	5	4	8	8	16
Tolerance Tracking [ % ]				0,05 / 0,1	0,025 - 1						min. 0,2 possible					< 0,5	0,2	0,2	0,2	0,2
TC - Tracking [ 10 <sup>-6</sup> /K ]				25	2 - 25						< 5					< 50	< 5	< 5	< 5	< 5

( 10/08 )

more than 50 years in service with our customers - support, development and production

