

COAXIAL SHUNT RESISTORS CSR1, CSR2 a CSR3



Coaxial shunt resistors CSR1, CSR2 and CSR3 are suitable for accurate measurement of high impulse currents in mediate and high frequency range to 1 ... 100 MHz. Resistors are made of CuNiMn-alloy and nickel plated copper. Output is led on BNC-connector with output-impedance 50 Ω. Inductance is very low and insignificant in working frequency bandwidth. The transfer factor doesn't change more than 1 dB up to upper frequency. We are recommending to provide the measuring cable near oscilloscope with a common mode impedance (ferrite sleeve) to damp disturbances. The resistors are made in flanged- or lateral output- design. It is also possible to use them for a sensation of continual currents.

Type	Transfer ratio [V/kA]	Maximum current			Maximum integral $I^2 \cdot t$ [A ² s]	Upper frequency 1 dB [MHz]		Dimensions [mm]	
		8/20 μs [kA]	10/350 μs [kA]	rms [A]		no compens.	compensated		
CSR1/2	500	-	-	1,3	-	500		Ø 80×32	
CSR1/5	200	1	0,25	2	16	200			
CSR1/10	100	2	0,5	3	66	100			
CSR1/20	50	2,5	0,7	4,25	103	50			
CSR2/5	200	1,25	0,3	5	26	30		Ø 36×160	
CSR2/10	100	2,5	0,6	7	103	30			
CSR2/20	50	5	1,2	10	415	20			
CSR2/50	20	5	1,2	11,5	415	15			
CSR2/100	10	10	2,5	16	1650	10	50	Ø 36×75	
CSR2/200	5	20	5	23	6600	5	30		
CSR3/5	200	2	0,5	7	66	10	30		Ø 36×245
CSR3/10	100	4	1	10	265	10			
CSR3/20	50	8	2	14	1060	10			
CSR3/50	20	16	4	22	4200	8			
CSR3/100	10	30	8	32	15000	8		Ø 65×180	
CSR3/200	5	60	15	45	60000	6			
CSR3/500	2	100	25	70	165000	4			
CSR3/1000	1	200	50	100	660000	3	10		Ø 82×160







