



CARBON FILM FIXED RESISTOR

ELECTRICAL PERFORMANCE

TEST ITEM	TEST CONDITIONS	MAX. RESISTANCE CHANGES	TEST METHOD	
			JIS C5205	MIL-STD-202
Dielectric Withstanding Voltage	No evidence of flashover or breakdown		5.7	METHOD 301
Short Time Overload	2.5 times of rated voltage for 5 sec.	± 1%	5.5	—
Temperature Cycling	-30°C ~ +85°C 5 cycles	± 0.5%	7.10	METHOD 107
Resistance to Soldering Heat	350°C±10°C, 3±0.5 sec.	± 0.5%	7.10	METHOD 210
Resistance to solvents	Permanent marking no physical or electrical damage or deterioration		—	METHOD 215
Load Life	70°C on-off cycle 1,000 hours	± 3%	7.10	METHOD 108
Moisture Resistance	40°C 95% RH on-off cycle 1,000 hours	± 5%	7.9	METHOD 106

Requirements	PERFORMANCE					TEST METHOD	
						JIS C5202	MIL-STD-202
Temperature Coefficient (ppm/°C)	T.C.R.	± 350	-150	-150	-150	5.2	METHOD 304
	TYPE		-600	-1000	-1,300		
	0.125W	Under 1KΩ	1.1KΩ-47KΩ	51KΩ-510KΩ	560KΩ-1MΩ		
	0.25W	Under 10KΩ	1.1KΩ-150KΩ	160KΩ-2.2MΩ	2.4MΩ-5.1MΩ		
0.5W & over	Under 22KΩ	24KΩ-470KΩ	510KΩ-2.2MΩ	2.4MΩ-10MΩ			
Noise (μv/v)	NOISE	0.1	0.3	0.6	1.0	5.9-11	METHOD 308
	TYPE						
	0.125W & 0.16W	—	Under 10KΩ	11KΩ-100KΩ	Over 110KΩ		
	0.25W & over	Under 100KΩ	110K-510KΩ	560KΩ-2.2MΩ	Over 2.4MΩ		

PERFORMANCE CHARACTERISTICS:

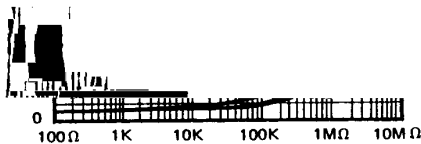


Fig. 5 Load life 70°C 1000hrs

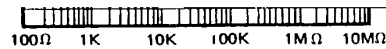
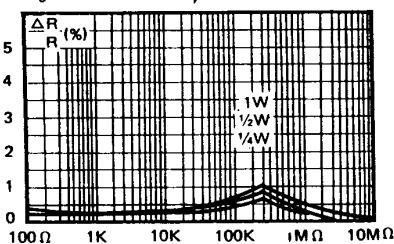


Fig. 6 Current noise

