FYR Divider Resistance

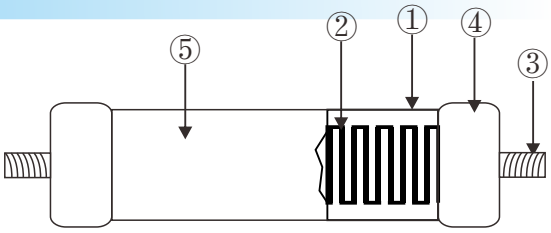
Features

Ⅰ No Inductance
Ⅱ Excellent Tolerance
Ⅲ Wider resistance values
Ⅳ High Voltage、High Power

Application

Ⅰ Impulse voltage generator
Ⅱ Electric-arc furnace damping
Ⅲ Pulse modulator, radar pulse opens the network
Ⅳ Arc suppression circuit of capacitor, high voltage buffer circuit
Ⅴ X-ray/head portrait equipment and EMI/ lightning suppression

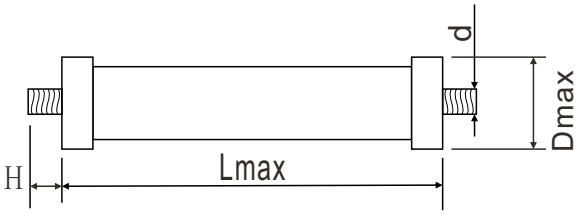
Constructions



①	Ceramic Core
②	Glazed Resistive Film
③	Screw
④	Iron Cap
⑤	Protective Coating

Dimensions

Type	Power	Dimensions(mm)			
		Lmax	Dmax	H±3	d±0.1
FYR20W	20W	147±2	11±1	30or10	1.0orM4
FYR25W	25W	116±2	17±1	10	M6
FYR30W	30W	116±2	19±1	10	M6
FYR50W	50W	116±2	19±1	10	M6
FYR80W	80W	116±2	21±1	10	M6
FYR100W	100W	130±2	27±1	10	M6
FYR150W	150W	160±2	27±1	10	M6
FYR200W	200W	210±2	27±1	10	M6
FYR300W	300W	260±2	27±1	10	M6
FYR400W	400W	310±2	33±1	10	M6
FYR500W	500W	480±2	27±1	10	M6
FYR600W	600W	520±2	27±1	10	M6
FYR800W	800W	620±2	33±1	10	M6
FYR1000W	1000W	920±2	33±1	10	M6



Ordering Information

Example:

FYR	20	F	100K
(1)	(2)	(3)	(4)
Series Name	Power Rating	Resistance Tolerance	Resistance

(1)Type: FYR SERIES

(2)Power Rating: 20=20W、25=25W、30=30W、50=50W...

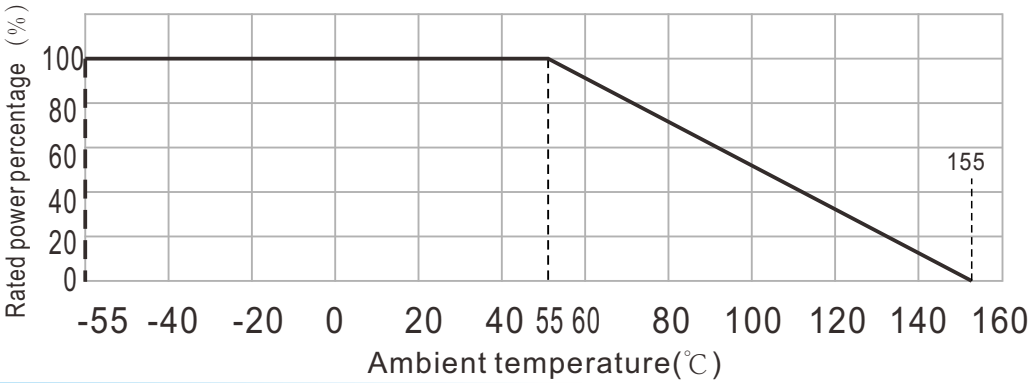
(3)Tolerance: F=±1%、G=±2%、J=±5%、K=±10%

(4)Resistance Value:10K、100K、1000K…

Reference Standards

JIS C 5201-1

Derating Curve



Power And Resistance etc

Rated Power(W)	Resistance Range(Ω)	(PPM/℃)	Max. Power Voltage(KV)	Applicable temperature	Tolerance
20W	1.0K-1000G	±300	30	-55℃ ~ +70℃	F(±1%) G(±2%) J(±5%) K(±10%)
25W	1.0K-1000G	±300	30		
30W	1.0K-1000G	≤400	30		
50W	1.0K-1000G	≤400	30		
80W	1.0K-1000G	≤400	30		
100W	1.0K-1000G	≤400	30		
150W	1.0K-1000G	≤400	35		
200W	1.0K-1000G	≤400	35		
300W	1.0K-1000G	≤400	35		
400W	1.0K-1000G	≤400	35		
500W	1.0K-1000G	≤400	40		
600W	1.0K-1000G	≤400	50		
800W	1.0K-1000G	≤400	60		
1000W	1.0K-1000G	≤400	80		

Non-inductive Characteristics

FYR use non-inductive design, special glazed film , distribute itself like the Great Wall ⎍⎍⎍⎍⎍ ,this high efficiency and non-inductive disign will not cut any advantages of the resistor's function. It is perfect for products which request high frequency inductance value keeps at 0.1μH~1μH.

Performance

TEST ITEM	SPECIFICATIONS(JIS C 5201-1)
Resistance Tolerance	±1% ±5% ±10% ,±0.5%is available
Temperature Coefficient	100ppm/℃(test range : -55℃~+25℃ ; +25℃~+125℃)
Load life	+125℃,1000hours ΔR≤0.5%
Insulation Resistnce	≥1000MΩ
Encapsulation	High temperature silicone conformal
Overload	2.5 Rated power(≤1.5 Max. operating voltage)5s ΔR≤0.5%
Thermal shock	ΔR≤0.25%
Moisture resistance	ΔR≤0.4%
Solderable Lead	30±3mm