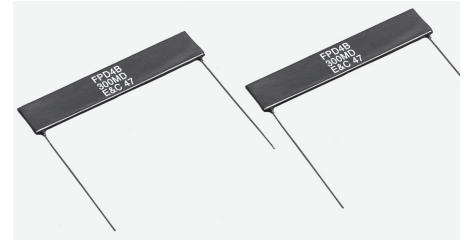


FP TYPE Plate Resistors



The FP type resistors are manufactured by sintering the resistive film on the ceramic substrate. They are particularly useful in the high-voltage circuit. Some products are compliant with complete lead free, it's used lead free glass. Complete lead free products reduce the effects on the environment.

FEATURES

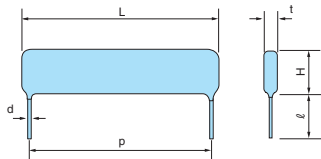
- Useful as a high-voltage load; Highly resistant to the impulse voltage.
- Small temperature coefficient.
- Minimized resistance change in long-term stability.

CHARACTERISTICS

Item	Characteristics	Test method
Operating temperature range	-40°C~+150°C	
Temperature coefficient	B ±25 C ±50 D ±100 S ±200 ppm/°C	Measured at 25°C and 75°C
Long-term stability	±1%	At normal temperature and humidity for 10,000hr.
Moisture resistance	±1%	40°C, 90 to 95%RH, 250hr.
Load life	±1%	Rated power×1/2 at normal temperature for 3,000hr

PRODUCTION DATA

● Shape



Type ※1	Complete lead free	Characteristics		Range of resistance values		Rated power (W)	Max. working voltage DC(kV)		Dimensions (mm)					Resistance tolerance (%)	
		Symbol	Temperature coefficient (ppm/°C)	Min. (MΩ)	Max. (MΩ)		in air	Molding	L (Max.)	p	H (Max.)	t	ℓ		d
FPD1/2		B	±25	2	70	1/2	2	4	19	14±1	8.5	2.5±1	33±3	0.6	±0.5(D) ±1(F) ±5(J)
		C	±50	2	70										
		D	±100	0.05	500										
		S	±200	0.01	1000										
FPD1		B	±25	3	100	1	5	10	27	21.5±1	8.5	2.5±1	33±3	0.6	
		C	±50	3	100										
		D	±100	0.05	1000										
FPD1L	○	S	±200	1	1000										
FPD2		B	±25	5	150	2	15	30	52	46±1	13.5	2.5±1	33±3	0.6	
		C	±50	5	150										
		D	±100	0.1	1000										
FPD2L	○	S	±200	1	1000										
FPD4		B	±25	10	300	4	15	30	52	46±1	13.5	2.5±1	33±3	0.6	
		C	±50	10	300										
		D	±100	0.1	1000										
FPD4L	○	S	±200	1	1000										

NOTICE: ※1 Type of complete lead free are marked with symbolic code "L" (Example : FPD1LS 100MF).

※ Consult your local dealer for the availability of resistors with resistance values and tolerances which are outside the ranges given above and of a special shape.

<CAUTION> Rated power recommend derate less than 50% for long term use.