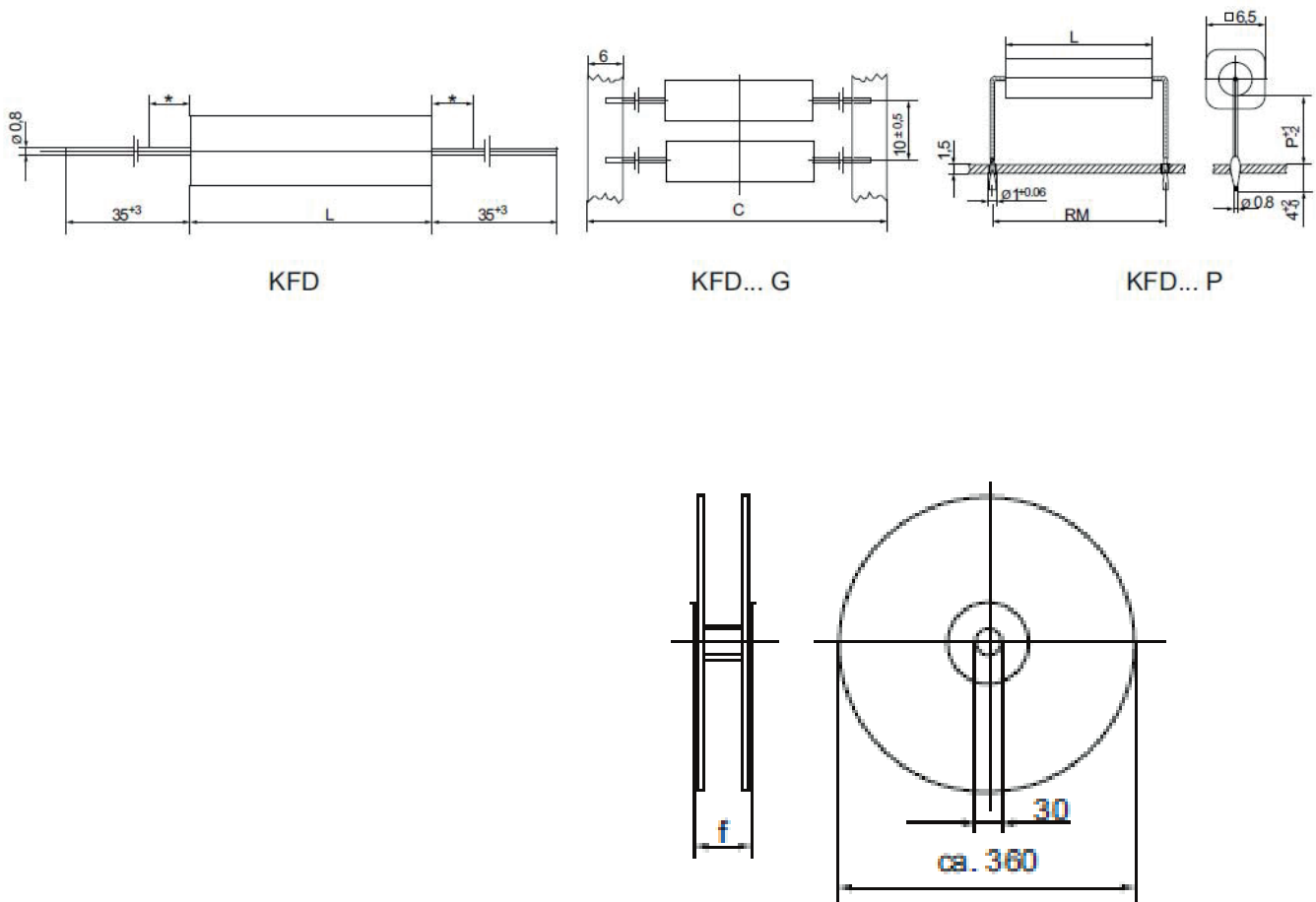




CERAMIC CASE RESISTORS KFD-06 MODEL

TECHNICAL DESIGN



GENERAL FEATURES

I Resistori a filo avvolto in cassa ceramica modello KFD sono resistori a bassa potenza, caratteristiche principali di questi resistori sono la compattezza, la possibilità di eseguire una vasta gamma di valori ohmici e le piccole dimensioni che consentono un utilizzo di questi prodotti anche su schede elettroniche. I terminali infatti sono saldabili e facilmente deformabili.

ELECTRICAL CHARACTERISTICS

Valori resistivi nominali	serie E 12 (10%), Serie E 24 (5%), DIN 41426
Categoria Climatica (secondo IEC 68)	55/255/10
Test di saldatura(bagno di saldatura 260 °C x10s.)	≤ 1% + 0,1 Ω
Test di cambio di temperatura (-55°C / +200°C)	≤ 2% + 0,1 Ω
Test di umidità (21 gg. 40 °C / 95% umidità relativa)	≤ 3% + 0,1 Ω
Variazione del valore ohmico con Ts = 250°C	1,000 h : -1.5 fino a +4.0%
	10,000 h: -2.0 fino a +6.0%
	100,000 h : -3.0 fino a +10.0%

The mentioned values apply for 99,7% of all resistors. For low. value-resistors, the mentioned variations may be exceeded by 0,1 Ω.

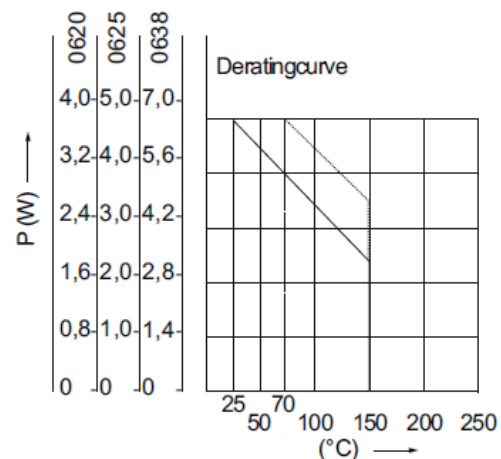
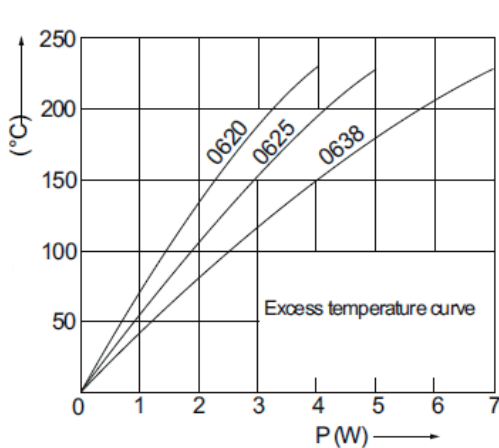
Reliability : At 70 °C, ambient temperature,25% r.h. and 255°C surface temperature standard rating for complete failure : ≤ 100 x 10⁻⁹/h.

Note :

Ta = Ambient Temperature

Ts = Surface Temperature

For ceramic case resistors, the solderability of connecting wires is limited in the range of 5 mm



GENERAL FEATURES

Style DIN 45921		KFD 0620 G (KFD 0618 G) KFD 0620 P... (KFD 0618 P...)	KFD 0625 G KFD 0625 P	KFD 0638
Dimensions	L	20 ±1 mm (18 ±1 mm)	25 ±1 mm	38 ±1 mm
	P	8mm or 15mm		-
	RM	25 mm	30 mm	-
	C	94 ± 2mm	101 ± 2mm	-
	f	max. 109 mm	max. 116 mm	-
	Carrier	Fiber glass core		
Resistance range	R051 - R11 R12 - 9K1	R10 - R22 R24 - 18K	R18 - R39 R43 - 33K	
Resistance tolerances	K (± 10%) CuNi 10 / CuNi 44 / NiCr J (± 5%) CuNi 44 / NiCr			
Power rating P_N	4 W	5 W	7 W	
Dissipation at Ta=25°C	T_s= 150°C	1,8 W	2,4 W	3,1 W
	T_s= 200°C	2,8 W	3,6 W	4,9 W
	T_s= 255°C	4,0 W	5,0 W	7,0 W
Dissipation at Ta=70°C	T_s= 200°C	1,9 W	2,5 W	3,5 W
	T_s= 250°C	2,9 W	3,7 W	5,0 W
	T_s= 300°C	4,0 W	5,0 W	7,0 W
Dielectric withstanding voltage	≥ 2000 Veff			
Limiting voltage	150 V	200 V	250 V	
Temperature coefficient	CuNi 10: +350...+450 x 10 ⁻⁶ /K CuNi 44 / NiCr: -80...+200 x 10 ⁻⁶ /K			
Lim. surface temperature	CuNi 10: 200°C CuNi 44 / NiCr: 300°C			
Marking	Cipher stamped, the marking of values according to DIN/IEC 62			