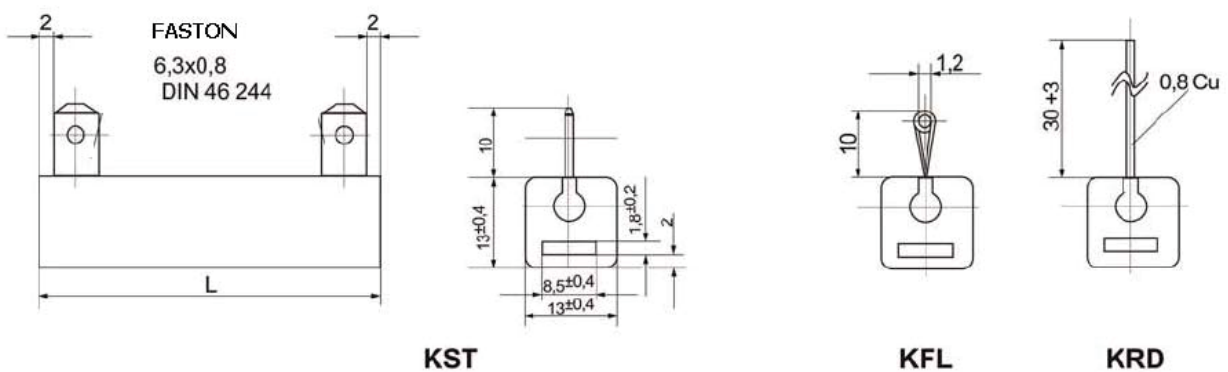


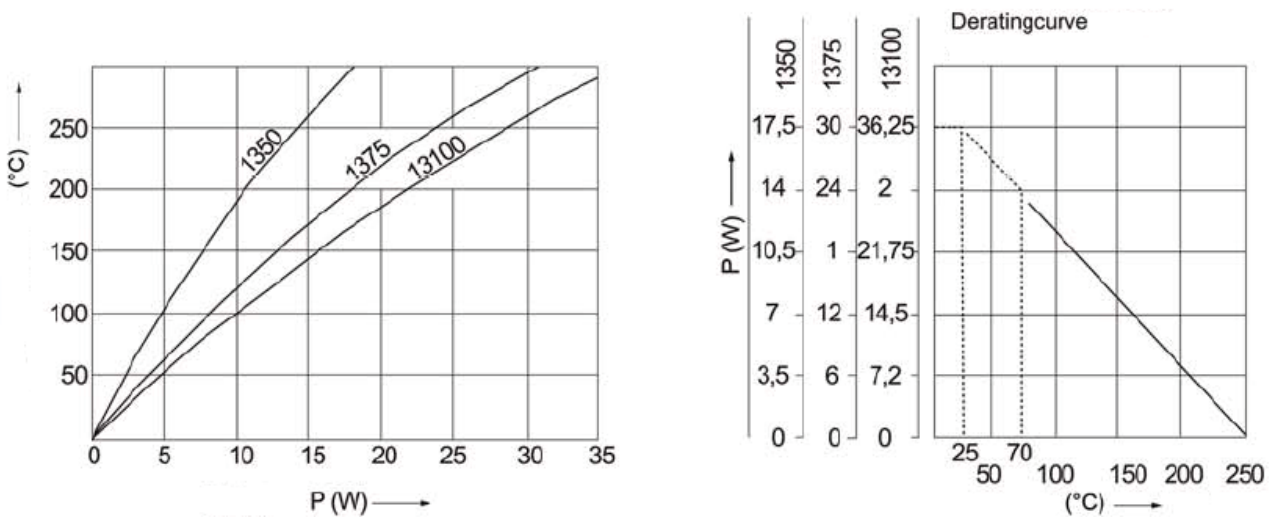


CERAMIC CASE RESISTORS MODEL KST

TECHNICAL DESIGN



GENERAL FEATURES



GENERAL FEATURES

I Resistori a filo avvolto in cassa ceramica modello KST sono resistori a bassa potenza (fino a 30W), 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 disponibili sono a faston (KST) o a filo (KFL – KRD).

ELECTRICAL CHARACTERISTICS

Nominal resistance	series E 12 (10%), Series E 24 (5%), DIN 41426
Climatic Category (according to IEC 68)	55/255/10
Solderability (260 °C x10s.)	≤ 1% + 0,1 Ω
Temperature cycling (-55°C / +200°C)	≤ 2% + 0,1 Ω
Damp heat (21 days 40 °C / 95% r.h.)	≤ 3% + 0,1 Ω
Resistance range Ts = 255°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		KST 1350 KFL 1350 KRD 1350	KST 1375 KFL 1375 KRD 1375	KST 13100 KFL 13100 KRD 13100
Dimensions	L =	50 ±1 mm	75 ±2 mm	100 ±2,5 mm
Carrieri		Fiber glass core		
Resistance range	CuNi 10	R18 - R39	R27 - R56	R47 - 1R0
	CuNi 44 / NiCr	R43 - 30K	R62 - 43K	1R1 - 75K
Resistance tolerances		K (± 10%) CuNi 10 / CuNi 44 / NiCr J (± 5%) CuNi 44 / NiCr		
Power rating P_N		15 W	25 W	30 W
Dissipation at Ta=25°C	T_s= 150°C	8,5 W	15,5 W	18,5 W
	T_s= 200°C	12,5 W	21,5 W	26,0 W
	T_s= 255°C	17,5 W	27,5 W	32,5 W
Dissipation at Ta=70°C	T_s= 200°C	9,0 W	16,5 W	20,0 W
	T_s= 250°C	12,5 W	21,5 W	26,0 W
	T_s= 300°C	14,0 W	24,0 W	29,0 W
Dielectric withstanding voltage		≥ 2000 V _{eff}		
Limiting voltage		350 V	500 V	750 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		