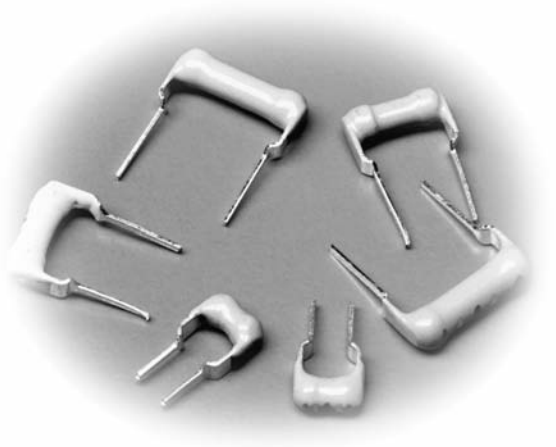
KOA SPEER ELECTRONICS, INC.

LF, LFF, RK26

radial metal film leaded resistors

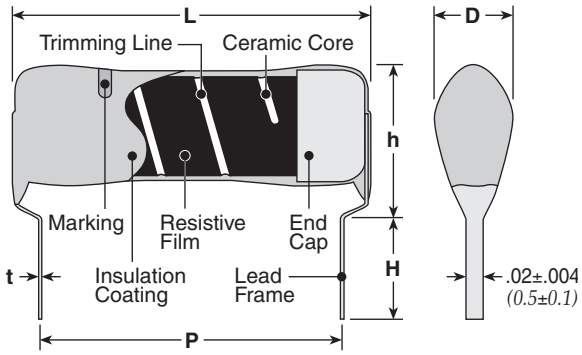
RoHS COMPLIANT



features

- Lead frame construction
- High density assembly and excellent self-standing strength
- Marking: Blue body color with color dot marking for resistance and tolerance values
- Products with lead-free terminations meet RoHS requirements. Pb located in glass material, electrode and resistor element is exempt per Annex 1, exemption 5 of EU directive 2005/95/EC

dimensions and construction



Type	Dimensions inches (mm)					
	L (max.)	D (max.)	P	H	h (max.)	t
LF1/8	.197 (5.0)	.098 (2.5)	.100±.008 (2.54±0.2)	.236±.039 (6.0±1.0)	.200 (5.08)	.010 (0.25)
LF1/4	.295 (7.5)		.200±.008 (5.08±0.2)	.118±.020 (3.0±0.5)	.217 (5.5)	.012 (0.3)
LF1/4L				.217±.020 (5.5±0.5)		
LF1/2	.413 (9.6)		.300±.012 (7.62±0.3)			
LFF1/4	.285 (7.25)	.100 (2.54)	.200±.012 (5.08±0.3)	.197±.039 (5.0±1.0)		
RK26B2E						

ordering information - LF, LFF

New Part #

LF	1/4	C	T	T	A	1000	D
Type	**Power Rating**	**T.C.R. (ppm/°C)**	**Termination Material**	**Taping**	**Packaging**	**Nominal Resistance**	**Tolerance**
LF LFF	1/8: 0.125W 1/4: 0.25W 1/4L: 0.25W 1/2: 0.5W	C: ±50 D: ±100 L: ±200	T: Sn (Other termination styles may be available, please contact factory for options)	T: Taping (1/8W, 1/4W only) Blank: Bulk	Ammo (1/8, 1/4 only)	±2%, ±5%: 2 significant figures + 1 multiplier "R" indicates decimal on value <10Ω ±0.5%, ±1%: 3 significant figures + 1 multiplier "R" indicates decimal on value <100Ω	D: ±0.5% F: ±1% G: ±2% J: ±5%

ordering information - RK26

New Part #

RK26	B	2E	T	T	A	1003	F
Type	**T.C.R. (ppm/°C)**	**Power Rating**	**Termination Material**	**Taping**	**Packaging**	**Nominal Resistance**	**Tolerance**
RK26	B: ±350	2E: 0.25W	T: Sn (Other termination styles may be available, please contact factory for options)	T: Taping Blank: Bulk	Ammo	±2%, ±5%: 2 significant figures + 1 multiplier "R" indicates decimal on value <10Ω ±0.5%, ±1%: 3 significant figures + 1 multiplier "R" indicates decimal on value <100Ω	F: ±1% G: ±2% J: ±5%

For further information on packaging, please refer to Appendix C.

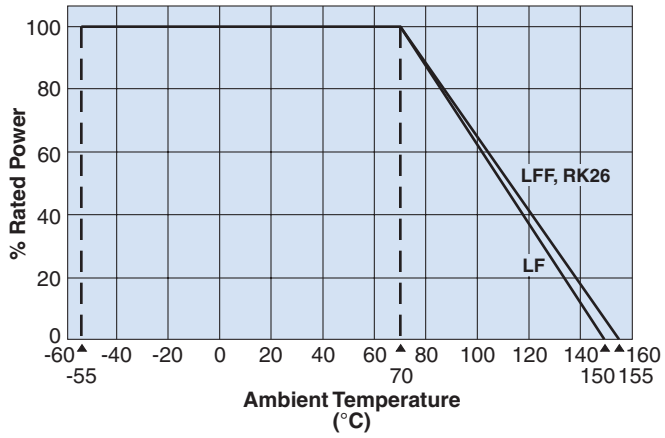
2/19/07

applications and ratings

Part Designation	Power Rating	T.C.R. (ppm/°C) Max.	Resistance Range (Ω) D±0.5% E-96	F±1% E-24,E-96	G±2% E-24	J±5% E-24	Absolute Maximum Working Voltage	Absolute Maximum Overload Voltage	Rated Ambient Temperature	Operating Temperature Range
LF1/8	0.125W	C: ±50 D: ±100 L: ±200	44.9 - 562k	4.7 - 1M	1 - 1M	1 - 1M	200V	400V	+70°C	-55°C to +150°C
LF1/4 LF1/4L	0.25W	C: ±50 D: ±100 L: ±200	10 - 1M	10 - 1M	1 - 1M	1 - 1M	250V	500V		
LF1/2	0.5W	C: ±50 D: ±100 L: ±200	10 - 1M	10 - 1M	1 - 1M	1 - 1M	350V	700V		
LFF1/4	0.25W	C: ±50 D: ±100	—	10 - 100k	10 - 100k	—	250V	500V		-55°C to +155°C
RK26B2E	0.25W	B: ±350	—	100K - 22M	100K - 33M	100K - 33M	500V	700V		

environmental applications

Derating Curve



Performance Characteristics

Parameter	Requirement
Short Time Overload	±(0.5% + 0.05Ω)
Effects of Solder	
Moisture Resistance	±(1.0% + 0.05Ω)
Load Life	
Temperature Cycling	±(0.5% + 0.05Ω)
Vibration	±(0.2% + 0.05Ω)