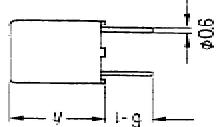
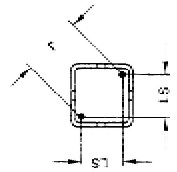


LL grado

Construction

- Wound capacitor
- Plastic case (flame-retardant in acc. with UL 94 V-0), sealed
- Face-end contacts
- Design suitable for matching with RM ferrite cores
- Single-ended leads complying with standardized lead spacings



Features

- Low self inductance
- Low failure rate
- Operating time 200 000 hours

Application

- For professional equipment in measurement techniques and telecommunications
- RF and IF filters
- Tuning circuits
- In combination with ferrite inductors ideal temperature compensation for resonant circuits



Manufacturer's logo
Design symbol (KP)
Rated capacitance (pF)
Tolerance (code letter)
Rated voltage (uncoded)
Date of manufacture



Rated dc voltage U_n	63 V				
Type with marking of revision status and rated voltage	B 33531-A5				
Rated capacitance C_n	pF	Dimensions (mm)			
Tolerance		$a_{0,1}$	$h_{0,2}$	RM _{0,20}	$r_{0,30}$
$\pm 1\% \triangleq F$		6.3	11.0	5.08	7.20
$\pm 2.5\% \triangleq H$		7.5	13.0	5.08	7.20
		10.0	13.0	7.62	10.75
		12.5	13.0	10.16	14.35

24 series
 Taping upon request.

Technical data

Type	D 33531
Rated dc voltage U_n	63 V
AC voltage current U_w	25 V
Category current I_c	1.0 A
IEC climatic category (DIN IEC 68-1)	55/085/56
Lower category temperature T_{min}	- 55 °C
Upper category temperature T_{max}	+ 85 °C
Test duration	56 days
Category values after damp heat test:	
Capacitance change $ \Delta C/C $	$\leq (0.5 \% + 0.5 \text{ pF})$ for $C_n \geq 330 \text{ pF}$ $\leq (0.75 \% + 0.75 \text{ pF})$ for $C_n < 330 \text{ pF}$
Dissipation factor $\tan \delta_r$	≤ 1.4 tabulated value
Insulation resistance R_i	$\geq 50 \text{ G}\Omega$
Climatic category DIN 40 040	FPE
Reliability	8 fit
Failure rate	200 000 hours
Operating time	
Capacitance drift $i_c^{(1)}$	$\leq (0.3 \% + 0.4 \text{ pF})$
Temperature coefficient α_c of capacitance ¹⁾	- $(80 \text{ to } 360) \cdot 10^{-9} \text{ K}$
Dissipation factor $\tan \delta$ (10 ⁻³)	$\leq 100 \text{ pF}$... 4700 pF ... 22000 pF ... 68000 pF
	0.3 0.3 0.3 0.4
	10 kHz 10 kHz 10 kHz 10 kHz
	100 kHz 100 kHz 100 kHz 100 kHz
	1000 kHz 1000 kHz 1000 kHz 1000 kHz
Insulation resistance R_i (minimum as-delivered value)	100 GΩ

Ordering code example

B 33531-A5 683-F

Type

Revision status: rated voltage

 $5 \angle 63^\circ \text{ V}$ Capacitance tolerance: $F \triangleq \pm 1\%$

Rated capacitance:

$683 \hat{=} 68 \cdot 10^3 \text{ pF} = 68000 \text{ pF}$

For ordering information refer to page 38.

¹⁾ for $C_0 \geq 460$ pF