

**Low Ohmic Power Resistors**  
**low inductance, Ceramic Case**

**Specification**

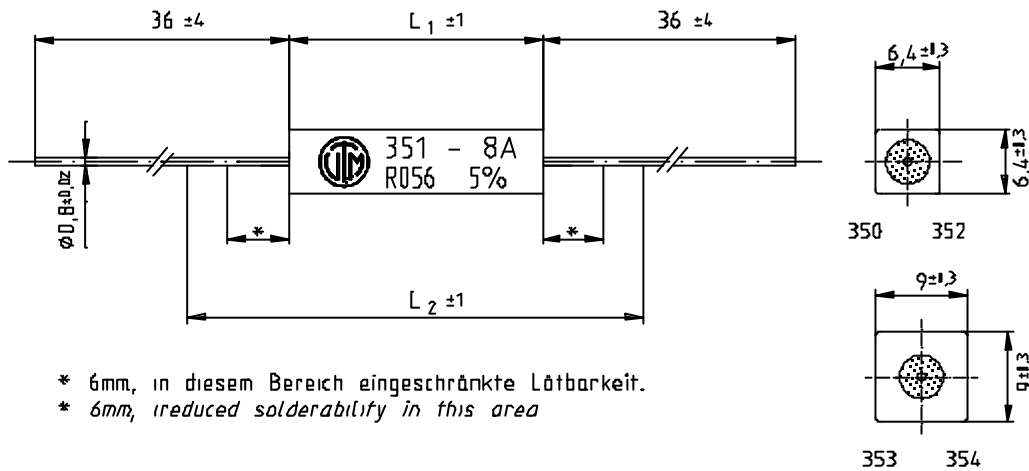
Type		KN350-8	KN351-8	KN352-8	KN353-8	KN354-8
Style		7718	7725	7738	9925	9938
Power rating $P_{70}$	W	4	5	7	7	9
Resistance range	$\Omega$	0R003 ... 0R051	0R004 ... 0R068	0R006 .... 0R1	0R004 ... 0R068	0R006 .... 0R1
E-series		E 24 > R010	E 24 > R010	E 24 > R010	E 24 > R010	E 24 > R010
Tolerance	%	$\pm 1, \pm 3, \pm 5$				
Temperature coefficient	$10^{-6} * K^{-1}$	+ 200 ... + 1200 depends on value				
max. cont. working voltage	$V_{RMS}$	$\sqrt{P_{70} \cdot R}$ for all styles				
Insulation voltage (1min.)	$V_{RMS}$	2000				
Insulation resistance	$\Omega$	$> 10^4 M$				
Derating	$^{\circ}C$	linear 70 ... 250 (0W)				
Climatic category		55/200/56				
Temperature range	$^{\circ}C$	- 55 ... 250				
Thermal resistance	$KW^{-1}$	65	50	38	35	30
Failure rate (Total, $\vartheta_0$ max., 60% conf. lev.)	$10^{-9} * h^{-1}$	appr. 10, depends on value				
Endurance ( $P_{70}$ , @ 70 $^{\circ}C$ , 1000h, interm.)	$\left[ \frac{\Delta R}{R} \right] \%$	$\pm 3,0$ average				
Damp heat, steady state (40 $^{\circ}C$ , 93% r. h., 56d)	$\left[ \frac{\Delta R}{R} \right] \%$	$\pm 0,5$				
Climatic sequence	$\left[ \frac{\Delta R}{R} \right] \%$	$\pm 0,5$				
Terminal strength	$\left[ \frac{\Delta R}{R} \right] \%$	$\pm 0,5$				

# Series KN

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Type		KN350-8	KN351-8	KN352-8	KN353-8	KN354-8
Terminal tensile strength	N	50				
Resistance to soldering heat (260°C, 10s)	$\left[\frac{\Delta R}{R}\right] \%$	± 0,2 typ.				
Solderability	s	2,5 Flowtime, solderglobule test, IEC 60068-2-20T				
Marking		Printed in clear				

Dimensions in mm:



	KN350-8	KN351-8	KN352-8	KN353-8	KN354-8
$L_1$	18	25	38	25	38
$L_2$	40	45	60	45	60

Measuring Length  $L_2$ : Resistance value is measured over the centered length  $L_2$ , on terminals free of oxide and contaminations. Differing conditions require adequate corrections ( $R_{\text{terminal}} = 0,4 \text{ m}\Omega/\text{cm}$ ).

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Packaging:

Type	Packaging	Pieces	Pack.-Code
KN350-8	bulk	200	B
KN351-8	bulk	200	B
KN352-8	bulk	200	B
KN353-8	bulk	200	B
KN354-8	bulk	200	B

Ordering example:      KN 350-8      5      B      0R015  
                                 Type      Tolerance      Pack.-Code      R-Value