Thick-Film Chip Resistors

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▼ Newly included in this edition

The entire chapter has been newly included.

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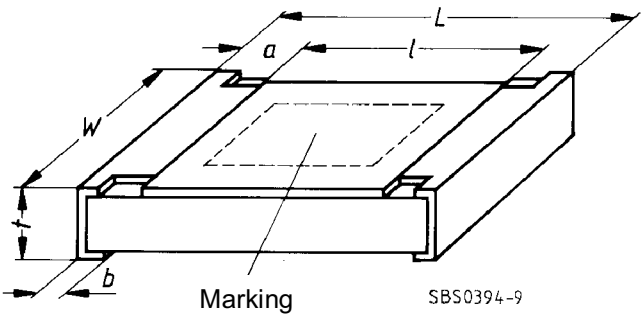
Quantities exceeding the stated maximum quantities and non-SCS types will be supplied ex works. Inquire for prices and delivery schedules.

Further technical literature

Short Form Catalog "Thick-Film Chip Resistors", B463-P6312-X-X-7400

Low temperature dependence
High reliability owing to protective coating on resistive element
Excellent solderability due to 3-layer termination
3-digit marking on sizes 0805 and 1206
Suppy on 8-mm cardboard tape, 180-mm reel



	Size	
Temperature coefficient	0603/0805/1206	± 200 ppm/°C
Max. voltage/	0603	50 Vdc/100 Vdc
max. overvoltage	0805	150 Vdc/200 Vdc
	1206	200 Vdc/400 Vdc

Dimensions (mm)

Size	*L*	*W*	*l*	*a*	*b*	*t*
0603	1,60 ± 0,15	$0{,}80^{+0{,}15}_{-0{,}05}$	1,00 ± 0,20	0,30 ± 0,20	0,30 ± 0,15	0,45 ± 0,10
0805	2,00 ± 0,20	1,25 ± 0,10	1,20 ± 0,20	0,40 ± 0,25	0,40 ± 0,25	0,60 ± 0,10
1206	$3{,}20^{+0{,}05}_{-0{,}20}$	$1{,}60^{+0{,}05}_{-0{,}15}$	2,10 ± 0,20	0,50 ± 0,25	0,50 ± 0,25	0,60 ± 0,10

	Rated resistance kΩ	Rated power (T_A = 70 °C)	Ordering code	Min. qty.	Max. qty.					
	B54101		Size 0603						Resistance tolerance ± 5 %	
▼	0 (Jumper)		B54101-A1000-X60	5000	500000					
▼	0,010		B54101-A1100-J60	5000	500000					
▼	0,015		B54101-A1150-J60	5000	500000					
▼	0,022		B54101-A1220-J60	5000	500000					
▼	0,033		B54101-A1330-J60	5000	500000					
▼	0,047		B54101-A1470-J60	5000	500000					
▼	0,068	1/16 W	B54101-A1680-J60	5000	500000					
▼	0,100		B54101-A1101-J60	5000	500000					
▼	0,150		B54101-A1151-J60	5000	500000					
▼	0,220		B54101-A1221-J60	5000	500000					
▼	0,330		B54101-A1331-J60	5000	500000					
▼	0,470		B54101-A1471-J60	5000	500000					
▼	0,680		B54101-A1681-J60	5000	500000					
▼	1,0		B54101-A1102-J60	5000	500000					
▼	1,5		B54101-A1152-J60	5000	500000					
▼	2,2		B54101-A1222-J60	5000	500000					
▼	3,3		B54101-A1332-J60	5000	500000					
▼	4,7		B54101-A1472-J60	5000	500000					
▼	6,8		B54101-A1682-J60	5000	500000					
▼	10		B54101-A1103-J60	5000	500000					
▼	15		B54101-A1153-J60	5000	500000					
▼	22		B54101-A1223-J60	5000	500000					
▼	33	1/16 W	B54101-A1333-J60	5000	500000					
▼	47		B54101-A1473-J60	5000	500000					
▼	68		B54101-A1683-J60	5000	500000					
▼	100		B54101-A1104-J60	5000	500000					
▼	150		B54101-A1154-J60	5000	500000					
▼	220		B54101-A1224-J60	5000	500000					
▼	330		B54101-A1334-J60	5000	500000					
▼	470		B54101-A1474-J60	5000	500000					
▼	680		B54101-A1684-J60	5000	500000					
▼	1,0 (MΩ)		B54101-A1105-J60	5000	500000					

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Rated resistance kΩ	Rated power (T_A = 70 °C)	Ordering code	Min. qty.	Max. qty.					
B54102		Size 0805							Resistance tolerance ± 5 %
▼ 0 (Jumper)		B54102-A1000-X60	5000	500000					
▼ 0.010		B54102-A1100-J60	5000	500000					
▼ 0,015		B54102-A1150-J60	5000	500000					
▼ 0,022		B54102-A1220-J60	5000	500000					
▼ 0,033		B54102-A1330-J60	5000	500000					
▼ 0,047		B54102-A1470-J60	5000	500000					
▼ 0,068	1/10 W	B54102-A1680-J60	5000	500000					
▼ 0,100		B54102-A1101-J60	5000	500000					
▼ 0,150		B54102-A1151-J60	5000	500000					
▼ 0,220		B54102-A1221-J60	5000	500000					
▼ 0,330		B54102-A1331-J60	5000	500000					
▼ 0,470		B54102-A1471-J60	5000	500000					
▼ 0,680		B54102-A1681-J60	5000	500000					
▼ 1,0		B54102-A1102-J60	5000	500000					
▼ 1,5		B54102-A1152-J60	5000	500000					
▼ 2,2		B54102-A1222-J60	5000	500000					
▼ 3,3		B54102-A1332-J60	5000	500000					
▼ 4,7		B54102-A1472-J60	5000	500000					
▼ 6,8		B54102-A1682-J60	5000	500000					
▼ 10		B54102-A1103-J60	5000	500000					
▼ 15		B54102-A1153-J60	5000	500000					
▼ 22		B54102-A1223-J60	5000	500000					
▼ 33	1/10 W	B54102-A1333-J60	5000	500000					
▼ 47		B54102-A1473-J60	5000	500000					
▼ 68		B54102-A1683-J60	5000	500000					
▼ 100		B54102-A1104-J60	5000	500000					
▼ 150		B54102-A1154-J60	5000	500000					
▼ 220		B54102-A1224-J60	5000	500000					
▼ 330		B54102-A1334-J60	5000	500000					
▼ 470		B54102-A1474-J60	5000	500000					
▼ 680		B54102-A1684-J60	5000	500000					
▼ 1,0 (MΩ)		B54102-A1105-J60	5000	500000					

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	Rated resistance kΩ	Rated power (T_A = 70 °C)	Ordering code	Min. qty.	Max. qty.					
	B54103		Size 1206	Resistance tolerance ± 5 %						
▼	0 (Jumper)		B54103-A1000-X60	5000	500000					
▼	0,010		B54103-A1100-J60	5000	500000					
▼	0,015		B54103-A1150-J60	5000	500000					
▼	0,022		B54103-A1220-J60	5000	500000					
▼	0,033		B54103-A1330-J60	5000	500000					
▼	0,047		B54103-A1470-J60	5000	500000					
▼	0,068	1/4 W	B54103-A1680-J60	5000	500000					
▼	0,100		B54103-A1101-J60	5000	500000					
▼	0,150		B54103-A1151-J60	5000	500000					
▼	0,220		B54103-A1221-J60	5000	500000					
▼	0,330		B54103-A1331-J60	5000	500000					
▼	0,470		B54103-A1471-J60	5000	500000					
▼	0,680		B54103-A1681-J60	5000	500000					
▼	1,0		B54103-A1102-J60	5000	500000					
▼	1,5		B54103-A1152-J60	5000	500000					
▼	2,2		B54103-A1222-J60	5000	500000					
▼	3,3		B54103-A1332-J60	5000	500000					
▼	4,7		B54103-A1472-J60	5000	500000					
▼	6,8		B54103-A1682-J60	5000	500000					
▼	10		B54103-A1103-J60	5000	500000					
▼	15		B54103-A1153-J60	5000	500000					
▼	22		B54103-A1223-J60	5000	500000					
▼	33	1/4 W	B54103-A1333-J60	5000	500000					
▼	47		B54103-A1473-J60	5000	500000					
▼	68		B54103-A1683-J60	5000	500000					
▼	100		B54103-A1104-J60	5000	500000					
▼	150		B54103-A1154-J60	5000	500000					
▼	220		B54103-A1224-J60	5000	500000					
▼	330		B54103-A1334-J60	5000	500000					
▼	470		B54103-A1474-J60	5000	500000					
▼	680		B54103-A1684-J60	5000	500000					
▼	1,0 (MΩ)		B54103-A1105-J60	5000	500000					

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