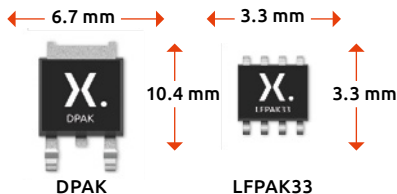


LFPAK33

shrinking the power footprint

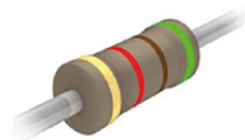
The LFPAK33 brings Nexperia's **robust and reliable copper clip technology** to the Power33 (3.3 mm x 3.3 mm) footprint

Compact Footprint



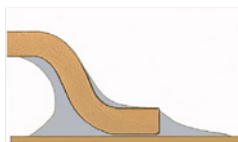
- › Ultra-compact footprint - 10.9 mm²
- › Ultra-low height <1 mm
- › Footprint >80 % smaller than DPAK

Ultra Low On-Resistance

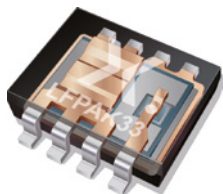


- › 6.3mΩ @ 40V
- › Copper clip technology
- › Ultra-low package resistance

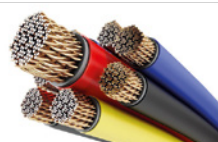
Reliable & Manufacturable



- › High board level reliability
- › Easy optical inspection
- › Robust solder joints



High Current Rating



- › Best-in-class current rating
- › Up to 70 A per device
- › High transient robustness

LFPAK33 Product Range

Product Name	V _{DS} [max] (V)	Gate Level	R _{Dson} [max] @ V _{GS} = 10 V (mΩ)	R _{Dson} [max] @ V _{GS} = 5 V (mΩ)	I _o [max] @ 25°C (A)	R _{th(j-mb)} [max] (K/W)
BUK9M5R2-30E	30	LL		5.2	70	1.89
BUK9M6R6-30E	30	LL		6.6	70	2
BUK9M10-30E	30	LL		10	59	2.75
BUK9M17-30E	30	LL		17	39	3.4
BUK7M6R3-40E	40	SL	6.3		70	1.89
BUK9M7R2-40E	40	LL		7.2	70	1.89
BUK7M8R0-40E	40	SL	8		70	2
BUK9M9R1-40E	40	LL		9.1	66	2
BUK7M10-40E	40	SL	10		60	2.43
BUK9M11-40E	40	LL		11	56	2.43
BUK7M12-40E	40	SL	12		52	2.75
BUK9M14-40E	40	LL		14	48	2.75
BUK7M21-40E	40	SL	21		35	3.4
BUK9M24-40E	40	LL		24	31	3.4
BUK7M45-40E	40	SL	45		21	4.8
BUK9M52-40E	40	LL		52	19	4.8
BUK7M9R9-60E	60	SL	9.9		60	1.89
BUK9M12-60E	60	LL		12	54	1.89
BUK7M12-60E	60	SL	12		54	2
BUK9M15-60E	60	LL		15	49	2
BUK7M15-60E	60	SL	15		46	2.43
BUK9M19-60E	60	LL		19	40	2.43
BUK7M19-60E	60	SL	19		39	2.75
BUK9M24-60E	60	LL		24	34	2.75
BUK7M33-60E	60	SL	33		26	3.4
BUK9M42-60E	60	LL		42	23	3.4
BUK7M42-60E	60	SL	42		21	4.17
BUK9M53-60E	60	LL		53	19	4.17
BUK7M67-60E	60	SL	67		16	4.8
BUK9M85-60E	60	LL		85	14	4.8
BUK7M17-80E	80	SL	17		43	1.89
BUK7M22-80E	80	SL	22		38	2
BUK9M23-80E	80	LL		23	37	1.89
BUK7M27-80E	80	SL	27		32	2.43
BUK9M28-80E	80	LL		28	34	2
BUK9M35-80E	80	LL		35	28	2.43
BUK9M34-100E	100	LL		34	28	1.89
BUK9M43-100E	100	LL		43	26	2
BUK9M120-100E	100	LL		120	12	3.4
BUK9M156-100E	100	LL		156	10	4.17

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