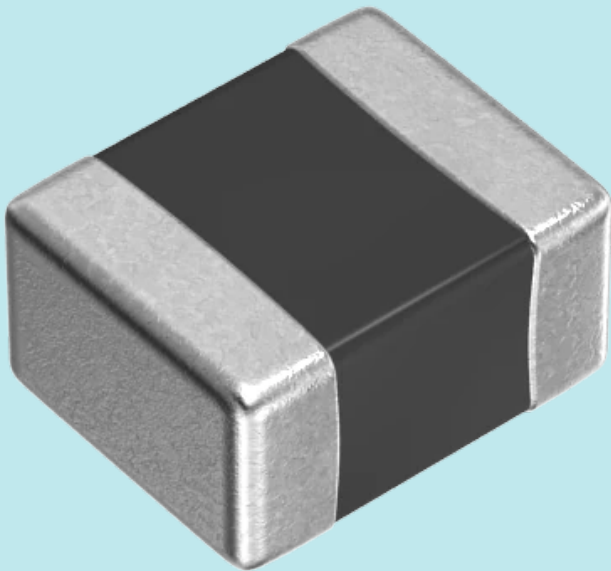


TFM201610ALMA-KIT

Thin-film Automotive Power Inductor
Sample Kit



TFM201610ALMA type

AEC-Q200

Features

- By using metal magnetic material with high saturation magnetic flux density the excellent DC bias characteristics needed for inductors for power circuits can be achieved
- With the same product shape and terminal structure as general chip parts it has excellent mounting stability characteristics and can also be mounted to general-purpose land patterns
- By using a closed magnetic circuit structure leakage flux is minimized

Application

- ADAS ECU, in-vehicle camera (view camera, sensing camera), radar, meter cluster, automotive communication module, other power supply circuit uses

Part Number Construction

TFM	201610	ALM	A	R47	M	T	AA
Series Name	LxWxH dimensions 2.0x1.6x1.0 mm	Characteristic Type	Automotive Use	Inductance (μ H)	Inductance Tolerance	Packaging Style	Internal Code

L (μ H)	Tolerance	DC Resistance		Rated Current				Rated Voltage (V)	Part Number	Kit Quantity
		(m Ω)max	(m Ω) typ	Isat (A) max	Isat (A) typ	Itemp (A) max	Itemp (A) typ			
0.24	\pm 20%	23	15	5.9	6.5	5.0	6.2	20	TFM201610ALMAR24MTAA	10
0.33	\pm 20%	31	24	5.2	5.8	4.3	4.8	20	TFM201610ALMAR33MTAA	10
0.47	\pm 20%	39	28	4.5	5.0	3.9	4.5	20	TFM201610ALMAR47MTAA	10
1.0	\pm 20%	60	50	3.3	3.7	3.1	3.4	20	TFM201610ALMA1R0MTAA	10
1.5	\pm 20%	110	85	2.8	3.1	2.3	2.6	20	TFM201610ALMA1R5MTAA	10
2.2	\pm 20%	152	130	2.0	2.2	1.9	2.1	20	TFM201610ALMA2R2MTAA	10