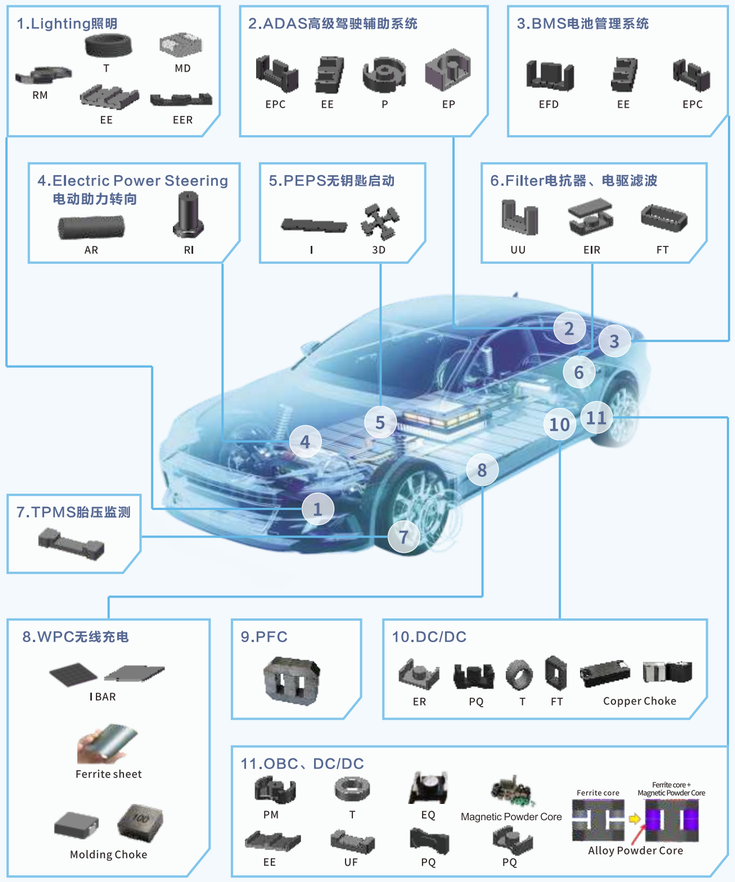
汽车电子用软磁磁心

Soft Magnetic Cores for Automotive Electronics



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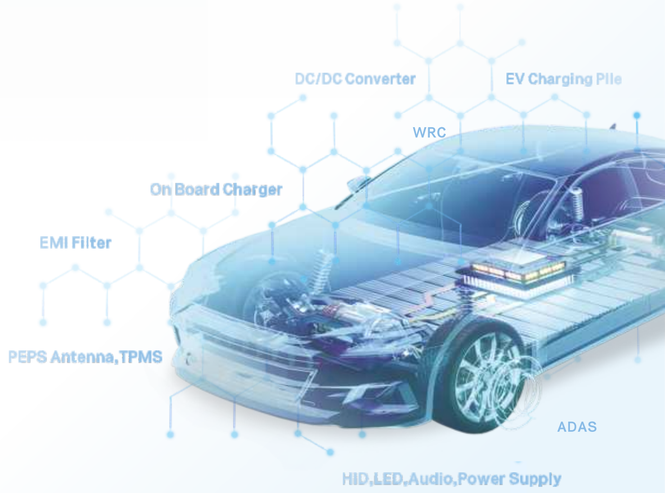
SOFT MAGNETIC CORES FOR AUTOMOTIVE ELECTRONICS

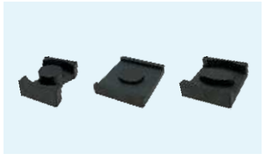
汽车电子用软磁磁心



谐振电感 LLC Choke

1.应用于OBC，DC / DC等
2.推荐材料：TPB22 / TPB16
3.推荐形状：PQ / ER/ED

1. Application: On board charger, DC / DC convertor
2. Suggested Material: TPB22 / TPB16
3. Suggested CORE Shape: PQ / ER/ED

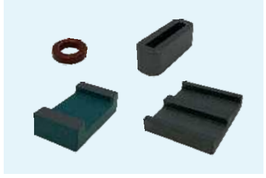


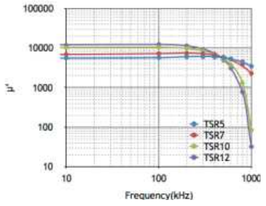
Material			TP4A	TPB22	TPB12	TPB16
permeability	μ_i	25℃	2400±25%	2200±25%	1200±25%	1200±25%
Saturation	Bs(mT)	25℃	510	540	560	590
flux density	1194A/m	100℃	390	450	475	480
Core loss	Pcv (kW/m^3)	25℃	600	700	1100	1000
		100℃	300	320	500	650
Curie temperature	Tc(℃)		≥215	≥255	≥285	≥285

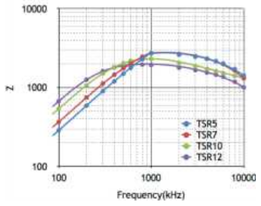
滤波器 EMI Filter

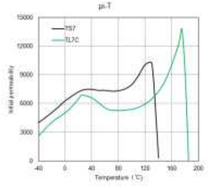
1.应用于各共模/差模电感，BUS BAR 等滤波器件
2.推荐材料：TSR系列 / TL-C系列 / TN系列 / Ti系列
3.推荐形状：T / FT / EE / UU

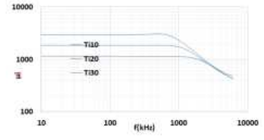
1. Application: CMC/DMC/BUS BAR/EMI Filter
2. Suggested Material: TSR Series / TL-CSeries / TN Series / Ti Series
3. SuggestedCORE Shape: T / FT / EE/ UU

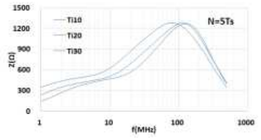


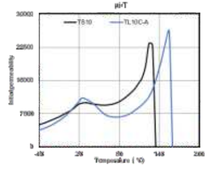








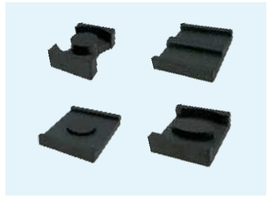


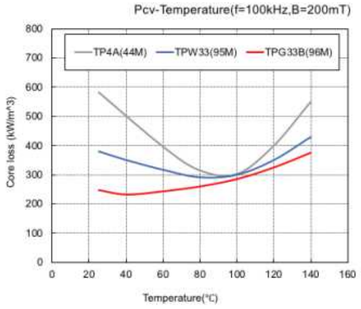


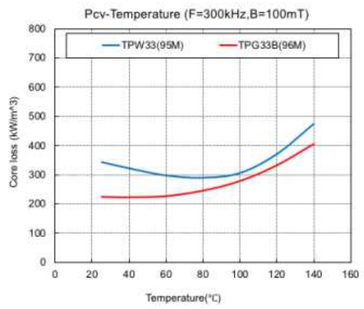
变压器 Transformer

1.应用于OBC，DC / DC，HID等
2.推荐材料：TPG33B / TPG33 / TPW33
3.推荐形状：PQ / EE / ER / ED

1. Application: On board charger, DC / DC convertor, HID Buck inductor
2. Suggested Material: TPG33B / TPG33 / TPW33
3. SuggestedCORE Shape: PQ / EE / ER / ED





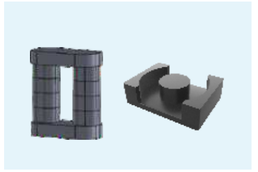


Material			TP4A	TPW33	TPG33B
Permeability	ui	25℃	2400±25%	3300±25%	3500±25%
Saturation	Bs(mT)	25℃	510	530	540
flux density	1194A/m	100℃	390	410	420
Core loss	PCV	25℃	600	380	240
		100℃	300	300	280
		120℃	400	350	320
		140℃	550	450	370
Curie temperature	Tc(℃)	Min	215	220	215

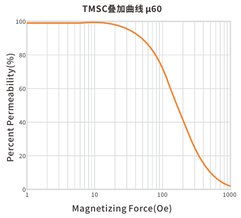
车载OBC、DC/DC
Vehicle OBC、DC/DC

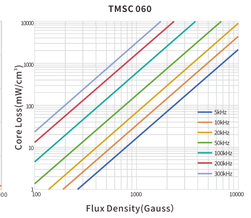
1.应用于OBC的PFC电感和DC输出电感
2.推荐材料：TMSC / TMF / TMFA等
3.推荐形状：EQ / FT / T

1. PFC inductors and DC output inductors for OBC applications
2. Suggested Material：TMSC / TMF / TMFA
3. Suggested CORE Shape：EQ / FT / T



Material	Core Loss(kW/m³) @50kHz/100mT	DC Bias με60@100Oe
TMSA	140	58%
TMSB	160	68%
TMSC	150	72%

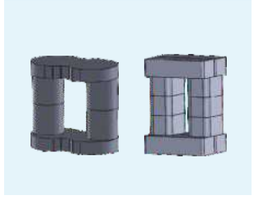




直流充电模块、升压电感
DC Charging Module, Boost Inductor

1.应用于充电模块PFC电感，以及插混、纯电动用升压电感
2.推荐材料：TMF / TMFA / TMFD
3.推荐形状：FT

1. Applied to PFC inductance of charging module, and boost inductors for plug-in hybrid and pure electric vehicles
2. Suggested Material：TMF / TMFA / TMFD
3. Suggested CORE Shape：FT



Material	Core Loss(kW/m³) @50kHz/100mT	DC Bias με60@100Oe
TMF	580	72%
TMFA	380	72%
TMFD	450	82%