

IHLP® INDUCTOR LOSS CALCULATOR TOOL

Instructions Help

Choose Calculator Type Buck ▼										Ratings
Applications		IHLP-2020CZ-11 - 2.2 Buck μ				μΗ Ind. Loss Calculator			Inductance	2.2
	mmercial ▼								25° C DC Res	0.0225
Family/Case Size IHLP-2020 ▼		Inputs: Enter data into yellow fields				Outputs			Isat	5.5
Series CZ-11 ▼									I(Heat)	6.8
Select Inductance: 0.10 µH 0.22 µH 0.33 µH 0.47 µH 1.0 µH 1.5 µH 2.2 µH 3.3 µH 4.7 µH 5.6 µH 10 µH	Frequency =		1000000		Hz	ET _{ckt}	2.40	V-usec		ductor Current (O
	I _{ind} =		2.5		Amps	F(eff)	794550.5	Hertz	3.0	ductor Current (C
	Ambient Temp =		25		°C	Res	0.025968	Ohms		
	Volts In =		12		Volts	I _{max}	3.05	Amps		
	Volts Out =		3.3		Volts	I _{min}	1.95	Amps		
		V _{SW} =		0.025		I _{ripple}	1.09	Amps		
	V _D =		0.025		Volts	Duty	0.28			
						P _{core}	0.123	Watts	1	
		ET ₁₀₀ =		0.75		P _{dc}	0.162	Watts		
	B _{pk} =		320.5		G	Pac	0.035	Watts	1.0	
	Α	0.216	Inch	5.49	mm	P _{tot}	0.320	Watts	0.0	
	В	0.204	Inch	5.18	mm	Temp. Coeff.	33.3	°C/W		
	С	0.118	Inch	3.0	mm	Temp Rise	10.7	°C		
						Comp Temp	35.7	°C	0.0	0.5
	Reference Cost	0.9				Compared to IHLP-2525CZ-01				Time (µSec
	Ť E	B C				Warning Messages:			•	lotes May Be Add

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