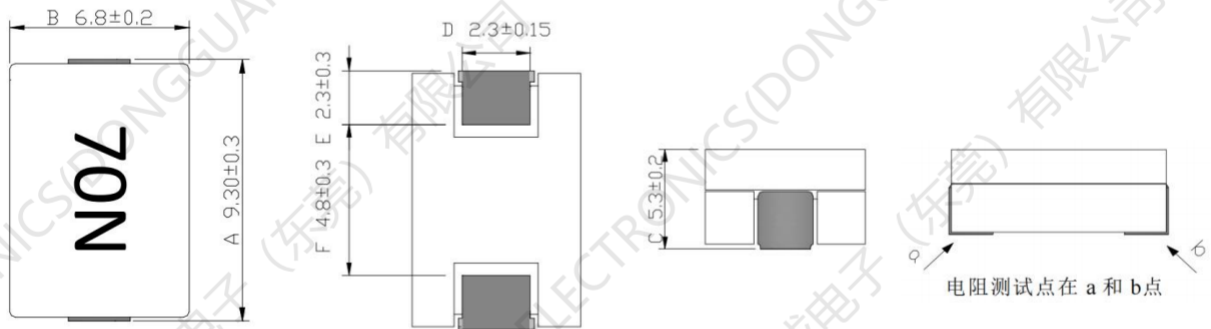


SMD High Current Flat wire power Inductor FC-HCM9353-070

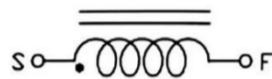
Features:

1. Lowest core losses (MnZn)
2. High saturation current
3. Extremely low DCR
4. Magnetically shielded
5. Operating temperature: -40°C to $+125^{\circ}\text{C}$
6. Recommended solder profile: Reflow

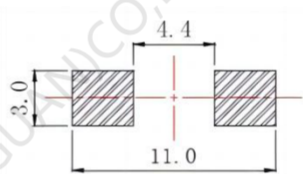
1. Dimensions:mm



2. Schematic:



3. Recommended Land Pattern: mm



4. Electrical Properties

NO.	ITEMS	MEASURING POINT	TECHNICAL DATA	TEST CONDITION	INSTRUMENT
1	Inductors	(S-F)	70nH $\pm$ 15%	100KHz, 1.0V, 25 $^{\circ}$ C	HP4284A
2	DCR	(S-F)	0.14m Ω $\pm$ 10%	25 $^{\circ}$ C	CH502
3	Isat 1	(S-F)	100A TYP/ $\geq$ L0A*80%	100KHz, 1.0V, 25 $^{\circ}$ C	6240
4	Isat 2	(S-F)	85A TYP/ $\geq$ L0A*80%	100KHz, 1.0V, 100 $^{\circ}$ C	6240
5	Isat 3	(S-F)	75A TYP/ $\geq$ L0A*80%	100KHz, 1.0V, 125 $^{\circ}$ C	6240
6	Irms	(S-F)	65A TYP	Δ T $\leq$ 40 $^{\circ}$ C (Ta=25 $^{\circ}$ C)	6240

Ambient temperature : -40°C to $+85^{\circ}\text{C}$
Operating temperature: -40°C to $+125^{\circ}\text{C}$