

D10F alternative



SPECIFICATION FOR APPROVAL



CUST. NAME	C0465	DATE	SEP 02,22'
DESCRIPTION	SMT Unshielded Power Inductors	TYPE	
GS PART NO.	GSD1056F-470K	DWG. NO.	067266
CUST. PART NO.		GS SAMPLE. NO.	220964

1. MECHANICAL MEASUREMENTS

DIMENSION (Unit :mm)				I			
	標準値	實測値					
A	10.5 (max)	9.95~9.98					
B	11.5 (max)	10.48~10.57					
C	5.9 (max)	5.66~5.71					
D	3.5±0.1	3.49~3.54					
E	7.0 (Ref.)	7.00~7.16					
F							
G							
H							
I							
J							

2. ELECTRICAL MEASUREMENTS & TEST EQUIPMENT

TEST ITEM 檢驗項目/單位	TEST FREQUENCY 測試頻率	SPECIFICATION. 測試標準		CONDITION. 測試條件	TEST EQUIP. 測試儀器
L	100KHz/0.1V	47	uH	+/-10%	WK3260B
DCR		0.150	Ω	(max)	HP34401A
Isat	100KHz/0.1V	1.44	A	L ≤ 10%(typ)	WK3260B+WK3265B
Irms	100KHz/0.1V	1.44	A	ΔT=40°C(max)	WK3260B+WK3265B
Marking	GS 470				
Weight	2.01g				
Packaging	500PCS / 13"Reel				

DRAWN BY: Fion	CHECKED BY: David	APPROVED BY: William
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3. TESTING DATA

TEST ITEM 検査項目/単位	L (uH)	DCR (Ω)	Isat (uH)	Irms (A)
TEST FREQUENCY 測試頻率	100KHz/0.1V		100KHz/0.1V	100KHz/0.1V
TEST EQUIP. 測試儀器	WK3260B	HP34401A	WK3260B +WK3265B	WK3260B +WK3265B
SPECIFICATION. 測試標準	47+/-10%	0.150 (max)	+0A	+1.44A L ≤ 10%(typ) ΔT ≤ 40°C (max)
1	46.45	0.122	46.85	46.65
2	46.22	0.125	46.37	46.15
3	45.87	0.120	46.45	46.37
4	46.03	0.119	46.01	45.81
5	46.60	0.125	46.49	46.29
				OK

4. RELIABILITY DATA

Operating Temperature	-40°C~+125°C
Storage Temperature&Humidity	≤ 40°C & 70% RH maximum
IR-Reflow Temperature	255°C ± 5°C
Solderability Validity	Best before 6 months from shipping date