



Approval Specification for Cofan Part # 11-1006 Rev 01

25W TEC Assembly, 12V, 100x80x95mm

Revision Date: Jan 14, 2008

Cofan USA, 46177 Warm Springs Blvd Fremont, CA 94539 [www.cofan-usa.com](http://www.cofan-usa.com) (800) 766-6097

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D COOLER SPECIFICATIONS:  
 VOLTAGE: 12 VDC, 15.4 VDC MAX  
 CURRENT DRAW: 2.75A @ 12 VDC, NORMAL OPERATING CONDITIONS  
 3.2A @ 12 VDC, STARTUP  
 COOLING POWER: 25W @ 12V, 2.25A  
 INPUT POWER: 27W  
 MAX TEMP HOT SIDE: 65°C  
 WEIGHT: 0.75 KG  
 OPERATING TEMPERATURE: 0°C TO 55°C  
 \* ABOVE PARAMETERS ARE ±10%

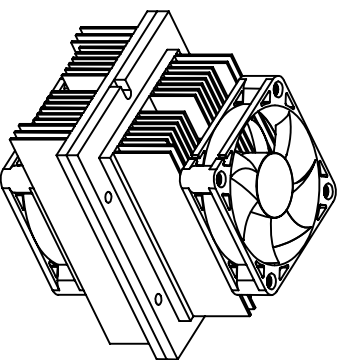
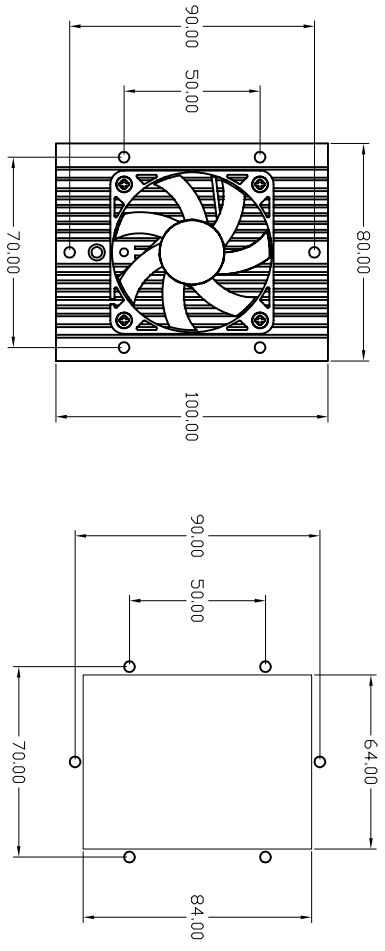
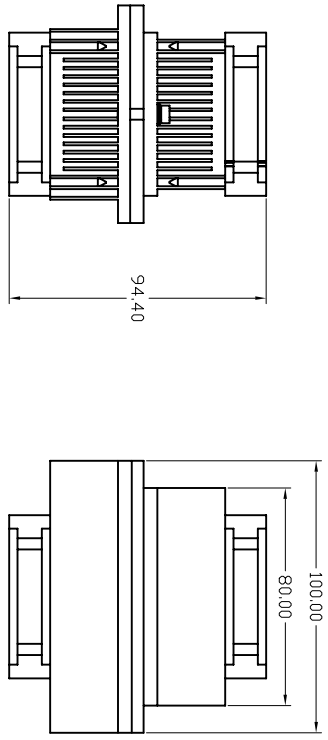
FANS  
 COLD SIDE FAN: F-6015H12B1, 4600 RPM, 0.35A  
 HOT SIDE FAN: F-6015H12B1, 4600 RPM, 0.35A

HEATSINK MATERIAL: AL6063  
 HEATSINK FINISH: BLACK ANODIZE

C WIRE CONFIGURATION: FANS WIRED IN PARALLEL AND LEFT UNTERMINATED.  
 CUSTOM WIRE CONFIGURATIONS AVAILABLE

CUSTOM HEATSINKS AVAILABLE  
 FOR MORE INFORMATION CONTACT: INFO@COFAN-USA.COM

REVISION HISTORY					
REV	DESCRIPTION	DRWN	CHK'D	APP'VD	DATE
-	-	-	-	-	-



DO NOT SCALE DRAWING  
 UNLESS OTHERWISE SPECIFIED  
 DIMENSIONS ARE IN MILLIMETRE  
 TOLERANCES ARE:

1 PLACE .X	± 0.25
2 PLACE .XX	± 0.13
3 PLACE .XXX	± 0.08
ANGLES EXCEPT 90°	± 0.5°
MAXIMUM SURFACE ROUGHNESS	6.3

NAME:	DATE:
MORIK-S	11/19/07

CUSTOMER DRAWING NUMBER:  
 [-----]  
 CUSTOMER PART NUMBER:  
 [-----]

NAME: COFAN USA  
 4617 VANDER SPRING BLVD FREMONT CA 94539

CHECKED BY:	CHECKED BY:
APPR BY:	

COFAN DRAWING NUMBER:  
 11-1006

SCALE: NINE  
 CUS REV: -  
 CDF REV: 01

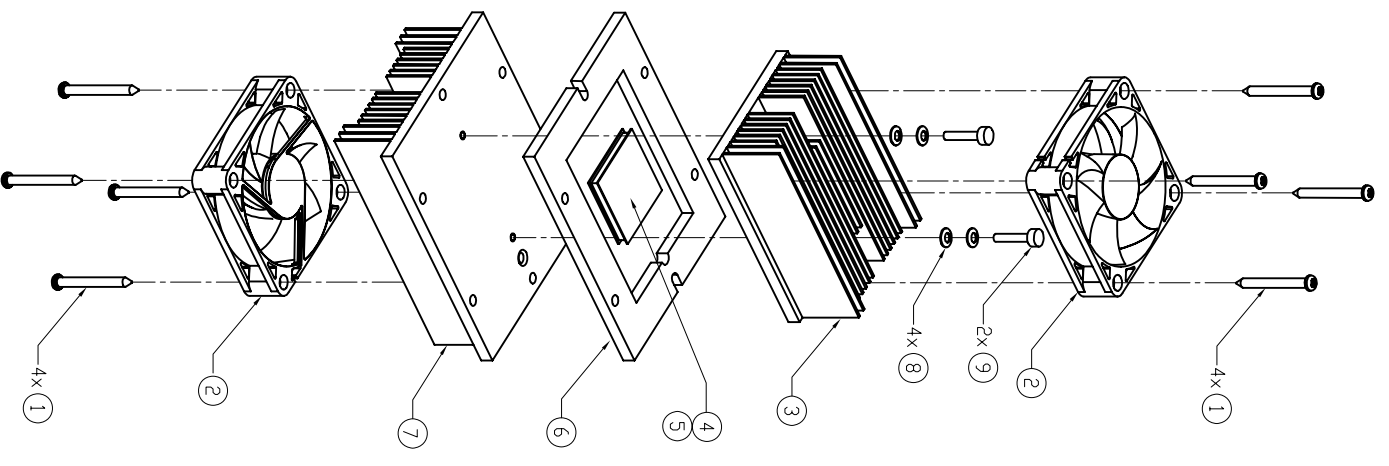
CUSTOMER PART NUMBER: 11-1006	SHEET: 1 OF 2
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DATE DRAWN:  
 11/19/2007

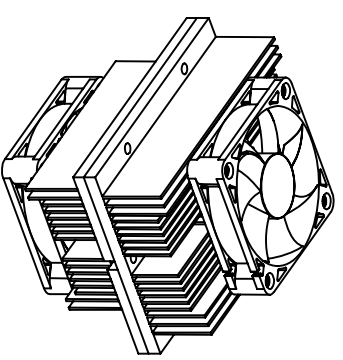
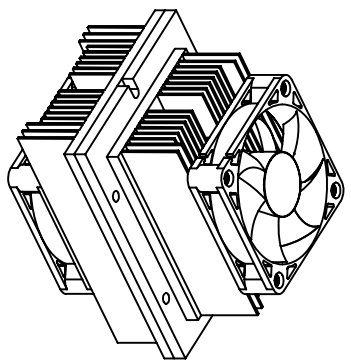
APR to Air Cooler, 59V, 12V @ 32A MAX

A ROHS  
 COMPLIANT  
 2002/95/EC

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REVISION HISTORY				
REV	DESCRIPTION	DRWN	CHK'D	DATE
-		-	-	-



ITEM	DESCRIPTION	PART NUMBER	MATERIAL/FINISH	QTY
1	M3.5x32 FAN SCREW, PHIL	60-1144 REV 01	STEEL / BLACK ZINC	8
2	60x15mm 12V DC FAN	F-6015H2B1	-	2
3	COLD SIDE HEATSINK	20-1741 REV 01	AL6063 / BLACK ANODIZE	1
4	TEC, 12V, 15.4V MAX, 30W @ 3A MAX, 40x40x4.9mm	10-1001 REV 01	-	1
5	THERMAL GREASE, STARS 801	70-1101 REV 01	-	1
6	GASKET, PSA	50-1323 REV 01	R10480 DR EQUIV	1
7	HOT SIDE HEATSINK	20-1740 REV 01	AL6063 / BLACK ANODIZE	1
8	BELLEVILLE WASHER	50-1104 REV 01	SS / DEGREASE	4
9	M3 MOUNTING SCREW	60-1082 REV 01	SS304 / DEGREASE	2

DID NOT SCALE DRAWING		NAME:	CUSTOMER DRAWING NUMBER:	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETRE TOLERANCES ARE:		DRAWN BY:	MORIK-S 11/19/07	
1 PLACE .X	± 0.25	CHECKED BY:	[-----]	
2 PLACE .XX	± 0.13	CUSTOMER PART NUMBER:	[-----]	
3 PLACE .XXX	± 0.08	COFAN DRAWING NUMBER:	11-1006	
ANGLES EXCEPT 90°	± 0.5°	CHECKED BY:	[-----]	
MAXIMUM SURFACE FINISH:	64	APPR BY:	[-----]	
		CUSTOMER PART NUMBER:	11-1006	
		COFAN PART NUMBER:	11-1006	



NAME: **COFAN USA**  
 4617 VAN SIKS BLVD FREMONT CA 94539  
 NAME: AFR to Air Cooler, 59V, 12V @ 32A MAX  
 SCALE: NINE  
 SHEET: 2 OF 2  
 DATE DRAWN: 11/19/2007

ROHS COMPLIANT  
 2002/95/EC