


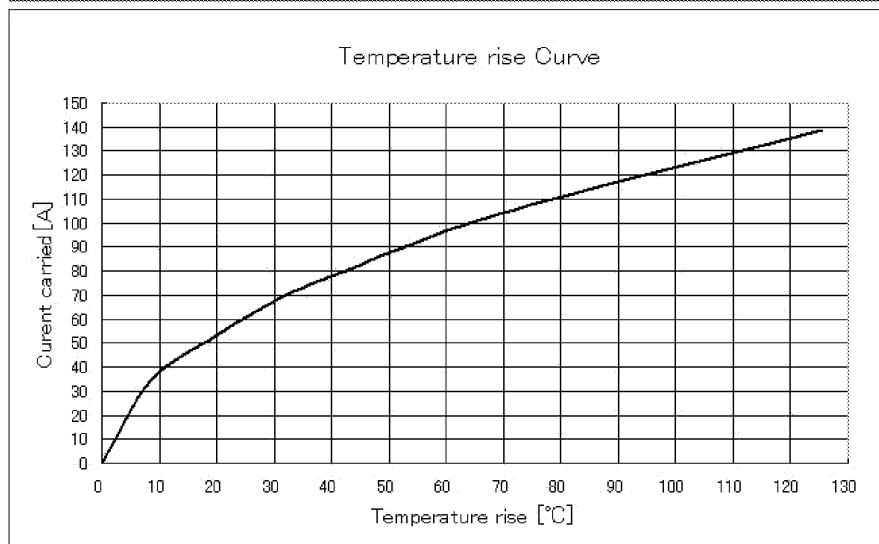
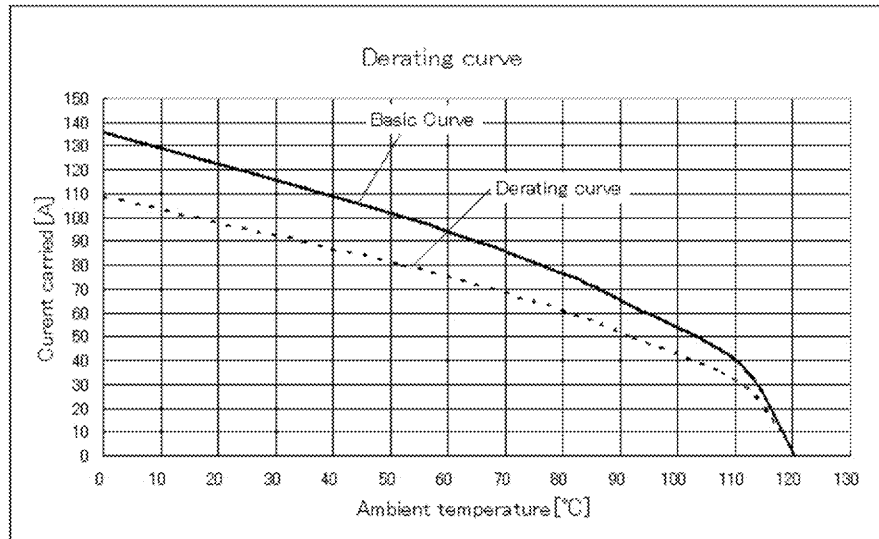


APPLICABLE STANDARD							
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C ^{(1) (2)}	STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C ⁽³⁾			
	OPERATING HUMIDITY RANGE	RH 90 % MAX ^{(2) (4)}	STORAGE HUMIDITY RANGE	RH 70 % MAX ^{(3) (4)}			
	VOLTAGE	300 V DC/AC	CURRENT	60A (TEMPERATURE RISE 30°C MAX)			
SPECIFICATIONS							
ITEM		TEST METHOD		REQUIREMENTS		QT	AT
CONSTRUCTION							
GENERAL EXAMINATION		VISUAL AND WITH MEASURING INSTRUMENT		ACCORDING TO DRAWING		x	x
MARKING		CONFIRMED VISUALLY				x	x
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE [EIA-364-23]		100 mA AND 20 mV OPEN CIRCUIT MAX.		2 mΩ MAX. ⁽⁵⁾ MATED WITH IT-PM-2S-DIR IT-PD-2S-DIR		x	
INSULATION RESISTANCE [EIA-364-21]		500 V DC		1000 MΩ MIN.		x	
VOLTAGE PROOF [EIA-364-20]		1000 V AC FOR 1 MINUTE		NO FLASHOVER OR BREAKDOWN.		x	
MECHANICAL CHARACTERISTICS							
INSERTION AND WITHDRAWAL FORCES [EIA-364-13]		MEASURED WITH RESPECT TO APPLICABLE CONNECTORS		INSERTION FORCE: 50 N MAX. WITHDRAWAL FORCE: 3 N MIN.		x	
MECHANICAL OPERATION [EIA-364-09]		100 TIMES INSERTION AND EXTRACTION		① CONTACT RESISTANCE: 2 mΩ MAX. ⁽⁵⁾ ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS		x	
RANDOM VIBRATION [EIA-364-28]		FREQUENCY : 50 TO 2000 Hz POWER SPECTRAL DENSITY : 0.1 g ² /Hz FOR 90 MINUTES IN THREE DIRECTIONS * The test sample fixes PCB by spacers other than the connector.		① NO ELECTRICAL DISCONTINUITY OF 1 μs OR MORE ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS		x	
SHOCK [EIA-364-27]		490 m/s ² , DURATION OF PULSE : 11 ms 18 TIMES TOTAL , 3 EACH DIRECTION , 3 AXIS * The test sample fixes PCB by spacers other than the connector.				x	
ENVIRONMENTAL CHARACTERISTICS							
THERMAL SHOCK [EIA-364-32]		TEMPERATURE: -55 → 20 ~ 35 → 85 → 20 ~ 35 °C TIME: 30 → 5 MAX → 30 → 5 MAX min. UNDER 10 CYCLES		① CONTACT RESISTANCE : 2 mΩ MAX. ⁽⁵⁾ ② INSULATION RESISTANCE : 100 MΩ MIN. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS		x	
CYCLIC TEMPERATURE AND HUMIDITY [EIA-364-31]		@ 25 °C, 80% RH: 60 MIN DWELL TIME 30 MIN RAMP TIME @ 65 °C, 50% RH: 60 MIN DWELL TIME UNDER 24 CYCLES					
DRY HEAT [EIA-364-17]		EXPOSED AT 105 °C, 120 hr		① CONTACT RESISTANCE : 2 mΩ MAX. ⁽⁵⁾ ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS		x	
MIXED FLOWING GAS [EIA-364-65]		EXPOSED AT 30 °C, 70% Cl ₂ : 10 ppb, NO ₂ : 200 ppb, H ₂ S : 10 ppb, SO ₂ : 100 ppb UNMATED 7 DAYS, MATED 7 DAYS		① CONTACT RESISTANCE : 2 mΩ MAX. ⁽⁵⁾ ② NO HEAVY CORROSION		x	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED	DATE
							
REMARKS				APPROVED	B. MACKILLOP	13. 01. 11	
(1) INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING. (2) OPERATING TEMPERATURE SHOULD BE -55 TO 55°C WHEN HUMIDITY EXCEEDS 80% RH. (3) "STORAGE" MEANS A LONG-TERM STORAGE STATE FOR THE UNUSED PRODUCT BEFORE ASSEMBLY TO PCB. (4) NO DEW CONDENSATION IS PERMITTED. (5) THE VALUE OF CONTACT RESISTANCE INCLUDES 2 CONTACT POINTS AND THE BULK RESISTANCE.				CHECKED	TM. MATSUO	13. 01. 11	
				DESIGNED	R. MIKLINSKI	13. 01. 11	
				DRAWN	R. MIKLINSKI	13. 01. 11	
Note; QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC4-348913-01	
	SPECIFICATION SHEET			PART NO.		IT-P-2P-39H (11)	
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL636-0606-3-11	 1/2

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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【REFERENCE】 DERATING CURVE AND TEMPERATURE RISE CURVE

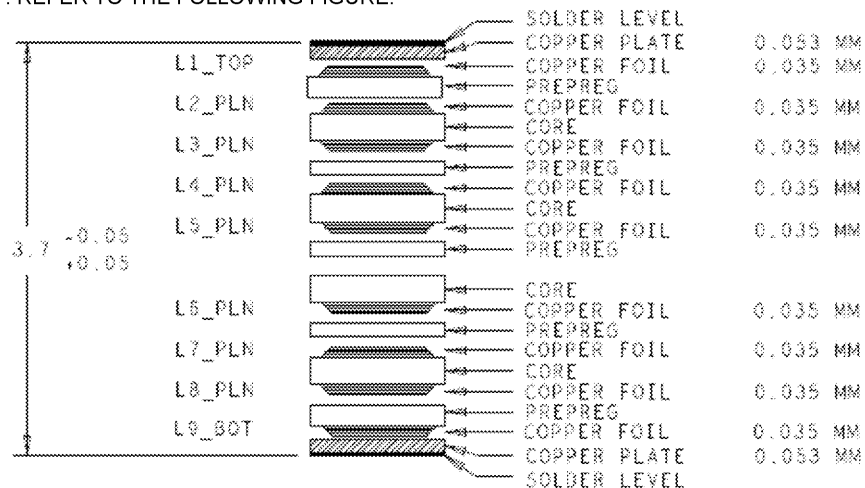


<TEST BOARD CONDITIONS>

SIZE : 80 x 68 x t3.7 mm (9 LAYERS PCB)

MATERIAL : GLASS FIBER, EPOXI RESIN (FR-4)

COMPOSITION : REFER TO THE FOLLOWING FIGURE.



Note QT:Qualification Test AT:Assurance Test X:Applicable Test

DRAWING NO.

ELC4-348913-01

HRS

SPECIFICATION SHEET

PART NO.

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