DPERATING FEMPERATUR VOLTAGE CURRENT CURRENT	E RANGE		. ,	STORAG TEMPER	GE RATURE RAN	GE	-10 °C TO 60 °C (NO	TES 2	2)
		0. 3 A SPE							
		SPE							
CTION									
CTION		TEOT MET						1	1
		TEST METHOD			RE	QUIR	EMENTS	QT	Α
MINATION									
		AND BY MEASURING INST	RUMENT.	AC	CORDING -	fo dr	AWING.	Х	2
		ED VISUALLY.						Х	2
CHARA									
SISTANCE	20 mV AC OR LESS 1 kHz, 1 mA.			50	50 mΩ MAX.				-
ESISTANCE	100 V DC			500	500 MΩ MAX				-
OOF	150 V AC FOR 1 min.			NO	NO FLASHOVER OR BREAKDOWN.				
CAL CHAR	ACTERI	STICS		I					
MECHANICAL OPERATION VIBRATION SHOCK		50 TIMES INSERTIONS AND WITHDRAWALS. FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE			① CONTACT RESISTANCE: 50 m Ω MAX.				-
					2 NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
					(1) NO ELECTRICAL DISCONTINUITY OF 1 μ s.				-
					(2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
									-
					NU DAMAGE,	JRAUK /	UUSENESS OF PARIS.		1
			125 →15 TO 3	5°C ① (CONTACT RI	ESISTA	NCE: 50 mΩ MAX.	X	
RAPID CHANGE OF TEMPERATURE		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min}$			(2) INSULATION RESISTANCE: 500 M Ω MIN.				
		UNDER 5 CYCLES.			3 NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h.			-			X	
(IDE	EXPOSED IN 25 PPM RH 75 % FOR 96 h.			-	(1) CONTACT RESISTANCE: 50 m Ω MAX.			Х	
	(TEST STANDARD: JEIDA-38)			-				V	
	MAX25 «PREHEA 150 TO MAXIM SAME ([RECOM SOLDE	0°C, 220°C FOR 60 SECON ATING AREA》 180°C 90~120 SECONDS UM TWICE ACTION IS ALLO CONDITION. MENDED MANUAL SOLDEI RING IRON TEMPERATUR	S. OWED UNDER LING CONDITI E 350°C	R THE					
AGEIS DEFINE	ED AS LONG	G-TERM STORAGE OF UNU			POWER SUP	LLY.			
RWISE SPECI	FIED , REFE	ER TO JIS C 5402 .							
		SCRIPTION OF REVISIONS DESIG			GNED CHECKED			DA	TE
							WR. FUKUCHI	2020	07
					CHEC	KED	TS. MIYAZAKI	2020	07
					DESIG	NED	KT. KUSAKA	2020	07
			,		DRA	ΝN	RN. IIDA	2020	07
alification Te	st AT:As	surance Test X:Applicabl	e Test	DRAV	WING NO.		ELC-389260-5	1-01	1
	SPECIFICATION SHEET				RT NO. DF12NC (3		(3. 0) -60DS-0. 5V (51)		
	PECIFI	CATION SHEET		PART NO	э. D	F12N	C (3. 0) -60DS-0. 5V	(51)	
	DERATION	DPERATION 50 TIMES FREQUE 0.75 mm, 490 m/s ² FOR 3 DI MENTAL CHARAC GE OF TEMPERA TIME UNDER 5 (ATE) CIDE EXPOSE (TEST ST/ TANCE OF TEXPOSE (TEST ST/ TANCE OF TEXPOSE (SOLDEF MAX25 (PREHE/ 150 TO MAXIM SAME (IRECOM SOLDE SOLDE SOLDE SOLDE SOLDE SOLDE	OPERATION 50 TIMES INSERTIONS AND WI FREQUENCY 10 TO 55 Hz, SING 0.75 mm, AT 2 h, FOR 3 DIREC 490 m/s ² DURATION OF PULSE FOR 3 DIRECTIONS. MENTAL CHARACTERISTICS GE OF TEMPERATURE -65 → 15 TO 35 → RE TIME 30 → 2 TO 3 → 30 UNDER 5 CYCLES. ATE) EXPOSED AT 40 ± 2 °C, 90 TO ATE) EXPOSED IN 25 PPM RH 75 % FOR 9 (IDE EXPOSED IN 25 PPM RH 75 % FOR 9 (TEST STANDARD:JEIDA-38) ISO TO 180°C 90~120 SECONDS MAX250°C, 220°C FOR 60 SECON %PREHEATING AREA》 150 TO 180°C 90~120 SECONDS MAXIMUM TWICE ACTION IS ALLO SAME CONDITION. [RECOMMENDED MANUAL SOLDEI SOLDERING IRON TEMPERATUR SOLDERING IRON TEMPERATUR SOLDERING IRON TEMPERATUR SOLDERING TIME : WITHIN 3 SEC DING THE TEMPERATURE RISE BY CURRENT. AGEIS DEFINED AS LONG-TERM STORAGE OF UNUTION TEMPERATURE RANGE TO PRODUCTS MOUN RWISE SPECIFIED , REFER TO JIS C 5402 . T	OPERATION 50 TIMES INSERTIONS AND WITHDRAWALS FREQUENCY 10 TO 55 Hz, SINGLE AMPLITL 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. 490 m/s ² DURATION OF PULSE 11 ms AT 3 T FOR 3 DIRECTIONS. MENTAL CHARACTERISTICS GE OF TEMPERATURE -65 →15 TO 35 →125 →15 TO 3 RE TIME 30 → 2 TO 3 → 30 → 2 TO 3 min UNDER 5 CYCLES. EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. ATE) EXPOSED IN 25 PPM RH 75 % FOR 96 h. (IDE EXPOSED IN 25 PPM RH 75 % FOR 96 h. (ITEST STANDARD: JEIDA-38) IANCE OF (RECOMMENDED TEMPERATURE PROFILE] (SOLDERING AREA) MAX250°C, 220°C FOR 60 SECONDS. MAX1MUM TWICE ACTION IS ALLOWED UNDER SAME CONDITION. (RECOMMENDED MANUAL SOLDELING CONDITION. IRECOMMENDED MANUAL SOLDELING CONDITION. (RECOMMENDED MANUAL SOLDELING CONDITION. IRECOMMENDED MANUAL SOLDELING CONDIS. MAX1MUM TWICE ACTION IS ALLOWED UNDER SAME CONDITION. IRECOMMENDED MANUAL SOLDELING CONDITION SOLDERING IRON TEMPERATURE 350°C SOLDERING TIME : WITHIN 3 SECONDS. DING THE TEMPERATURE RISE BY CURRENT. AGEIS DEFINED AS LONG-TERM STORAGE OF UNUSED PRODUCTION TEMPERATURE RANGE TO PRODUCTS MOUNTED ON PCB RWISE SPECIFIED, REFER TO JIS C 5402. T	DPERATION 50 TIMES INSERTIONS AND WITHDRAWALS. ① 2 FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE ① 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. 2 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES ① FOR 3 DIRECTIONS. ② MENTAL CHARACTERISTICS ② GE OF TEMPERATURE -65 →15 TO 35 →125 →15 TO 35 °C ① RE TIME 30 → 2 TO 3 → 30 → 2 TO 3 min ③ UNDER 5 CYCLES. ③ ③ XTE) EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. ① XTE) ② ③ XIDE EXPOSED IN 25 PPM RH 75 % FOR 96 h. ① (TEST STANDARD:JEIDA-38) ② ② FANCE OF [Recommended TEMPERATURE PROFILE] ③ (SOLDERING AREA) MAX250°C, 220°C FOR 60 SECONDS MAX. ③ (PREHEATING AREA) 150 TO 180°C 90~120 SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION. [Recommended MANUAL SOLDELING CONDITION] SOLDERING RION TEMPERATURE 350°C ⑤ SOLDERING RION TEMPERATURE 350°C SOLDERING TIME : WITHIN 3 SECONDS. ⑤ MAXIMUM TURE RISE BY CURRENT. AGEIS DEFINED AS LONG-TERM STORAGE OF UNUSED PR	DPERATION 50 TIMES INSERTIONS AND WITHDRAWALS. ① CONTACT ② NO DAMAGE, (① NO ELECTF 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. ③ NO DAMAGE, (490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES ① NO ELECTF FOR 3 DIRECTIONS. ② NO DAMAGE, (WO DAMAGE, (① NO ELECTF FOR 3 DIRECTIONS. ② NO DAMAGE, (MENTAL CHARACTERISTICS ③ NO DAMAGE, (GE OF TEMPERATURE 46 →15 TO 35 →125 →15 TO 35 °C ① CONTACT RI UNDER 5 CYCLES. ③ NO DAMAGE, (③ CONTACT RI UNDER 5 CYCLES. ③ NO DAMAGE, (③ CONTACT RI VITE) EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. ① CONTACT RI (IDE EXPOSED IN 25 PPM RH 75 % FOR 96 h. ① CONTACT RI (ITEST STANDARD-JEIDA-38) ② NO DAMAGE, (NO DAMAGE, ((IDE (RECOMMENDED TEMPERATURE PROFILE] ③ NO DAMAGE, (NO DEFORMATI (SOLDERING AREA) 15 OT 180°C 90~120 SECONDS. NO DEFORMATI MAX250°C, 220°C FOR 60 SECONDS. MAXIMUM TWICE ACTION IS ALLOWED UNDER THE SAME CONDITION.] SOLDERING TIME : WITHIN 3 SECONDS. DING THE TEMPERATURE RISE BY CURRENT. AGEIS DEFINED AS LONG-TERM STORAGE OF UNUSED PRODUCTS. DESIGNED	OPERATION 50 TIMES INSERTIONS AND WITHDRAWALS. ① CONTACT RESIS ② NO DAMAGE, CRACK / ② NO DAMAGE, CRACK / ③ 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. ① NO ELECTRICAL I ③ NO DAMAGE, CRACK / ④ NO S ⁴ DURATION OF PULSE 11 ms AT 3 TIMES ① NO ELECTRICAL I ③ PO 3 DIRECTIONS. ① NO DAMAGE, CRACK / ① NO DAMAGE, CRACK / MENTAL CHARACTERISTICS ③ NO DAMAGE, CRACK / ② NO DAMAGE, CRACK / GE OF TEMPERATURE -65 →15 TO 35 →125 →15 TO 35 °C ① CONTACT RESISTA UNDER 5 CYCLES. ③ NO DAMAGE, CRACK / ③ NO DAMAGE, CRACK / VIDE EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. ① CONTACT RESISTA VIDE EXPOSED IN 25 PPM RH 75 % FOR 96 h. ① CONTACT RESISTA VIDE EXPOSED IN 25 PPM RH 75 % FOR 96 h. ① CONTACT RESISTA VIDE (SOLDERING AREA) ③ NO DAMAGE, CRACK / MAXED ① CONTACT RESISTA ② NO HEAVY CORDO MAXED ① TO 150°C 50°C FOR 60 SECONDS MAX. ③ NO DAMAGE, CRACK / (PREHEATING AREA) 150 TO 180°C 90~120 SECONDS. NO DEFORMATION OF SOLDERING RONTED NAULAL SOLDELING CONDITION] SOLDERING RONTEMPERATURE 350°C SOLDERING TIME : WITHIN 3 SECONDS. DING THE TEMPERATURE RISE BY CURRE	OPERATION 50 TIMES INSERTIONS AND WITHDRAWALS. ① CONTACT RESISTANCE: 50 mΩ MAX. PREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE ① NO DELECTRICAL DISCONTINUITY OF 1 µs. 0.75 mm, AT 2 h, FOR 3 DIRECTIONS. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES ① NO ELECTRICAL DISCONTINUITY OF 1 µs. FOR 3 DIRECTIONS. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. MENTAL CHARACTERISTICS ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. GE OF TEMPERATURE 45 ~15 TO 35 ~125 ~15 TO 35 ~0 ① CONTACT RESISTANCE: 50 mΩ MAX. UNDER 5 CYCLES. ③ O 2 TO 3 ~0 2 TO 3 min ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. UNDER 5 CYCLES. ① CONTACT RESISTANCE: 500 mQ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. TTE) EXPOSED AT 40 ± 2 °C, 90 TO 95 %, 96 h. ① CONTACT RESISTANCE: 500 mQ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. GIDE (RECOMMENDED TEMPERATURE PROFILE] ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. GIDE (RECOMMENDED TEMPERATURE PROFILE] ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. GIDE ENG RIG TO THE PERATURE RISE BY CURRENT. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	OPERATION 50 TIMES INSERTIONS AND WITHDRAWALS. ① CONTACT RESISTANCE: 50 mΩ MAX. X Image: Control of the second secon