

		Performance sp	ecifica	atio	n			\sim		
	Characteristics	Limits	Test Methods (JIS - C - 5201-1)				RoHS			
	Temperature coefficient	±300 PPM/°C Max. <20 O± 400 PPM/°C	<u>_R2-R1</u> R1(t2-t1 R1: Resista	I) X 10 ⁶ ance valu	hange per temp. degre (PPM/°C) le at room temperature le at room temp. plus 1	e (t1)	Compliant			
	Short time overload	Resistance change rate is: \pm (2.0 % + 0.05 Ω) Max.	Permanent resistance change after the application of a potential of 2.5 times RCWV for 5 seconds							
	Short time overload	No Evidence of mechanical damage	direction o -Twist tes Terminal le about 6mn rotated thr	e to a 2.51 f the long at: eads shall n from the rough 360	kgs direct load for 10sed itudinal axis of the termi Il be bent throught 90° a body of the resistor an I° about the original axis ng direction for a total o	inal leads. It a point of d shall be s of the bent				
	Temperature cycling	± (0.5 % + 0.05Ù) Max.	Resistance change after continuous 5 cycles for duty cycle specified below: Step Temperature Time 1 -55°C ±3°C 30 mins 2 Room temp. 10 ~ 15 mins 3 -155°C ±2°C 30 mins 4 Room temp. 10 ~ 15 mins Resistance change after 1,000 hours (1.5 hours "on", 0.5 hour "off") at RCWV in a humidity chamber controlled at 40°C ±2°C and 90 to 95 % relative humidity							
	Load life in humidity	Resistance change rate is ± (5.0 % + 0.05 Ω) Max.								
	Load Life	Resistance change rate is ± (5.0 % + 0.05 Ω) Max.Permanent resistance change after 1,000 hours operating at RCWV, with duty cycle of (1.5 hours"on", 0.5 hour "off") at 70°C ±2°C ambient								
	Resistance to Soldering HeatResistance change rate is $\pm (1\% + 0.05 \Omega)$ Max. with no evidence of mechanical damage.Permanent resistance change when leads immersed to 3.2 to 4.8 mm from the body in $350^{\circ}C \pm 10^{\circ}C$ solder for 3 ± 0.5 seconds.									
	Solderability	95 % coverage Min.			solder : 245 °C ± 3°C : 2 - 3 seconds					
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SPC-F005.DWG	DOC	2. NO. SPC-F005 * Effective: 7/8/02 * DCF	' No: 1395	SCALE	: NTS	U.O.M.: Millimeters	s	HEET: 2 C	IF 3	

Mfg. Part No.	Resistance (Ohms)	 Temperature Coefficient Tolerance 	Wattage (W)	D+1	L+1	d + 0.05	H+3	RoHS
MCKNP03UJ010JB00	1	+/-50ppm/°C	3W					Compliar
MCKNP03UJ010KB00	0.1	+/-90ppm/°C	3W	1				EC-
MCKNP03UJ0100B00	10	+/-20ppm/°C	3W	1				
MCKNP03UJ0101B00	100	+/-20ppm/°C	3W	1				
MCKNP03UJ0102B00	1	+/-20ppm/°C	3W	1				
MCKNP03UJ0121B00	120	+/-20ppm/°C	3W	1				
MCKNP03UJ0122B00	1.2	+/-20ppm/°C	3W	1				
MCKNP03UJ0152B00	1.5	+/-20ppm/°C	3W	1				
MCKNP03UJ020JB00	2	+/-50ppm/°C	3W	1				
MCKNP03UJ020KB00	0.2	+/-90ppm/°C	3W	1				
MCKNP03UJ0201B00	200	+/-20ppm/°C	3W	t				
MCKNP03UJ0202B00	2	+/-20ppm/°C	3W	1				
MCKNP03UJ0221B00	220	+/-20ppm/°C	3W	1				
MCKNP03UJ0250B00	25	+/-20ppm/°C	3W	t				
MCKNP03UJ0251B00	250	+/-20ppm/°C	3W	5.5 mm	13.5 mm	0.70 mm	28 mm	
MCKNP03UJ0301B00	300	+/-20ppm/°C	3W	†				
MCKNP03UJ0302B00	3	+/-20ppm/°C	3W	1				
MCKNP03UJ0331B00	330	+/-20ppm/°C	3W	t				
MCKNP03UJ0400B00	40	+/-20ppm/°C	3W	t				
MCKNP03UJ0401B00	400	+/-20ppm/°C	3W	t				
MCKNP03UJ0402B00	4	+/-20ppm/°C	3W	t				
MCKNP03UJ0471B00	470	+/-20ppm/°C	3W	†				
MCKNP03UJ050JB00	5	+/-50ppm/°C	3W	t				
MCKNP03030505B00 MCKNP03UJ050KB00	0.5	+/-90ppm/°C	3W 3W	t				
MCKNP03UJ0500B00	50	+/-20ppm/°C	3W	ł				
MCKNP03UJ0501B00	500	+/-20ppm/°C	3W	ł				
MCKNP03UJ0502B00	5	+/-20ppm/°C	3W 3W	ł				
MCKNP03UJ0750B00	75	+/-20ppm/°C	3W	ł				
MCKNP03050730B00 MCKNP07SF100JB00	10	+/-20ppm/°C	7W					
MCKNP07SF1005B00	10	+/-50ppm/°C	7W	ł				
MCKNP07SF1000B00	100	+/-20ppm/°C	7W	+	25mm	0.75mm		
MCKNP07SF1000B00 MCKNP07SF1002B00	100	+/-20ppm/°C	7W					
MCKNP07SF1002B00 MCKNP07SF1500B00	150	+/-20ppm/°C +/-20ppm/°C	7W 7W					
MCKNP07SF1300B00 MCKNP07SF2000B00	200	+/-20ppm/°C +/-20ppm/°C	7 W	ł				
MCKNP07SF2000B00 MCKNP07SF2500B00	200	+/-20ppm/°C +/-20ppm/°C	7W	- 				
		+/-20ppm/°C +/-20ppm/°C	7W 7W				20mm	
MCKNP07SF500JB00 MCKNP0ASF100JB00	50 10	+/-20ppm/°C +/-20ppm/°C	10W	8.5mm		0.75mm	38mm	
				ł				
MCKNP0ASF100KB00	1	+/-50ppm/°C	10W	ł				
MCKNP0ASF1000B00	100	+/-20ppm/°C	10W	ł	53mm			
MCKNP0ASF150JB00	15 2	+/-20ppm/°C +/-50ppm/°C	10W	ł	55000			
MCKNP0ASF200KB00			10W	ł				
MCKNP0ASF300JB00	30	+/-20ppm/°C	10W	ł				
MCKNP0ASJ010KB00	1	+/-50ppm/°C	10W					
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ENT OF SPC TECHNOLOGY.				A		TA-	-883	TA-883.DWG