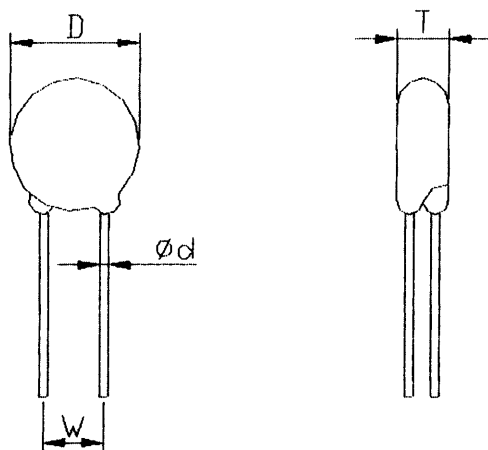


**MF52 SERIES NTC THERMISTORS
DATA SHEET****CUSTOMER** : _____**ITEM NO.** : **11/5120 MF52-103k****APPLICATION** : _____**DATE** : **2004/02/11**

CUSTOMER			PRODUCE		
APPROVAL			APPROVAL		
TECHNICAL	EXAMINE AND VERIFY	APPROVE	TECHNICAL	EXAMINE AND VERIFY	APPROVE

PRODUCT P/N : MF52-103 K

DIMENSION : (mm)



ITEM NO.	Dmax	Tmax	w	Ød
MF52-103K	4.0	3.0	3.0 ± 1.0	0.45 ± 0.05

ELECTRONIC PARAMETER :

RESISTOR VALUE	B VALUE	DISSIPATIVE FACTOR	TIME FACTOR	WORK TEMPERATURE
$\Omega \pm 10\%$	$K \pm 5\%$	$mw/^{\circ}C$	S	$^{\circ}C$
10K	3500	≥ 3.0	≤ 15	-40~+180

INSPECTION METHOD :

NUMBER	INSPECTION ITEM	CONDITION	SPECIFICATION REQUIREMENT
1	APPEARANCE AND MARK		THE MARK SHOULD BE CLEAR AND NO DAMAGE ON THE BODY
2	DIMENSION		MEET WITH THE DIMENSION DRAWING
3	RESISTOR VALUE		$10K \Omega \pm 10\%$
4	DIELECTRONIC STRENGTH	700V AC/1 MINUTES	SHOULD NO SHORT CIRCUIT $\Delta R/R \Delta \leq \pm 15\%$
5	INSULATE RESISTOR VALUE	TEST VOLTAGE : DC $150 \pm 10V$	$\geq 500M \Omega$ $\Delta R/R \Delta \leq \pm 15\%$
6	SOLDING CHARACTERISTIC	SOLD TEMPERATURE : $235 \pm ^{\circ}C$ SOLD TIME : 3S	AREA COVERED : $\geq 98\%$ BY TIN
7	B VALUE	PUT IN THERMOSTATIC BATH $T_1=25^{\circ}C$ $T_2=85^{\circ}C$	$3500 \pm 5\%$