



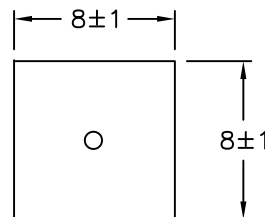
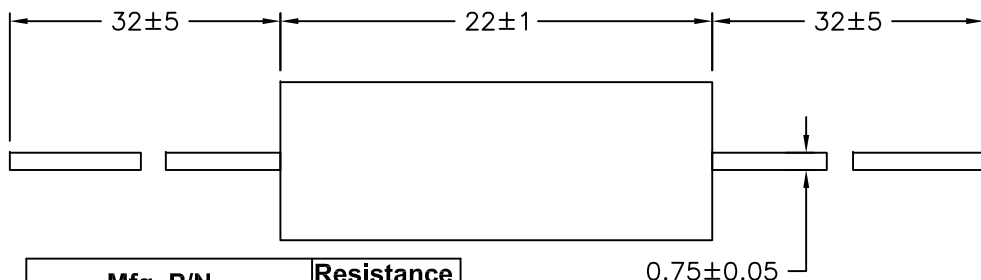
ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

SPC-F005.DWG

REVISIONS

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1991	A	RELEASED	JN	05/15/09	JWM	05/15/09	JWV	05/15/09



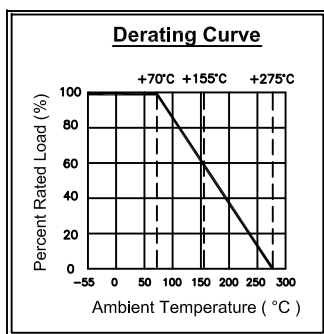
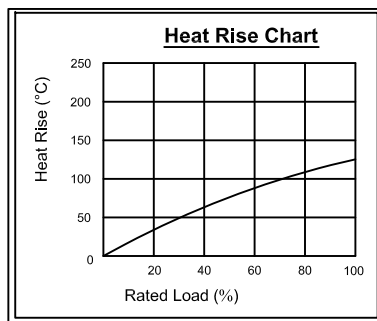
Performance Specification

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Power Film Resistor
- Power Rating: 3 Watts
- Resistance Tolerance: $\pm 5\%$

Performance Specification

- Temperature coefficient: $<20\Omega$: $\pm 400\text{PPM}/^\circ\text{C}$; ≥ 20 : $\pm 350\text{PPM}/^\circ\text{C}$
- Short-time overload: $\Delta R/R \leq \pm(5.0\% + 0.05\Omega)$, with no evidence of mechanical damage.
- Dielectric withstanding voltage: No evidence of flashover, mechanical damage, arcing or insulation breakdown.
- Terminal strength: No evidence of mechanical damage.
- Solderability: Min. 95% coverage
- Temperature cycling: $\Delta R/R \leq \pm(2.0\% + 0.05\Omega)$, with no evidence of mechanical damage.
- Humidity (Steady State): $\Delta R/R \leq \pm(5.0\% + 0.05\Omega)$, with no evidence of mechanical damage.
- Load life in humidity: For Wire-wound range, the $\Delta R/R$ is $\pm 5\%$
For Power film range, $<100\text{K}\Omega$, the $\Delta R/R$ is $\pm 5\%$
For Power film range, $\geq 100\text{K}\Omega$, the $\Delta R/R$ is $\pm 10\%$
- Load Life: For Wire-wound range, the $\Delta R/R$ is $\pm 5\%$
For Power film range, $<100\text{K}\Omega$, the $\Delta R/R$ is $\pm 5\%$
For Power film range, $\geq 100\text{K}\Omega$, the $\Delta R/R$ is $\pm 10\%$
- Resistance to solderability heat: $\Delta R/R \pm(1.0\% + 0.05\Omega)$ with no evidence of mechanical damage.

Mfg. P/N	Resistance (Ohms)
MCPRW03WJP101B00	100
MCPRW03WJP102B00	1k
MCPRW03WJP103B00	10k
MCPRW03WJP151B00	150
MCPRW03WJP152B00	1.5k
MCPRW03WJP153B00	15k
MCPRW03WJP201B00	200
MCPRW03WJP202B00	2k
MCPRW03WJP203B00	20k
MCPRW03WJP243B00	24k
MCPRW03WJP253B00	25k
MCPRW03WJP271B00	270
MCPRW03WJP513B00	51k
MCPRW03WJP560B00	56
MCPRW03WJP561B00	560
MCPRW03WJP562B00	5.6k
MCPRW03WJP563B00	56k
MCPRW03WJP680B00	68
MCPRW03WJP681B00	680
MCPRW03WJP682B00	6.8k
MCPRW03WJP750B00	75
MCPRW03WJP751B00	750
MCPRW03WJP752B00	7.5k
MCPRW03WJP820B00	82
MCPRW03WJP821B00	820
MCPRW03WJP822B00	8.2k



DISCLAIMER:
ALL STATEMENTS AND TECHNICAL INFORMATION CONTAINED HEREIN ARE BASED UPON INFORMATION AND/OR TESTS WE BELIEVE TO BE ACCURATE AND RELIABLE. SINCE CONDITIONS OF USE ARE BEYOND OUR CONTROL, THE USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND ASSUME ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH.

TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:
Jason Nash	05/15/09
CHECKED BY:	DATE:
JWM	05/15/09
APPROVED BY:	DATE:
JWM	05/15/09

DRAWING TITLE: 3 watt (Power Film) Cement Fixed Resistors			
SIZE A	DWG. NO. Ta-1178	ELECTRONIC FILE Ta-1178.DWG	REV A
SCALE: NTS	U.O.M.: Millimeters	SHEET: 1 OF 1	