



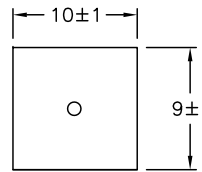
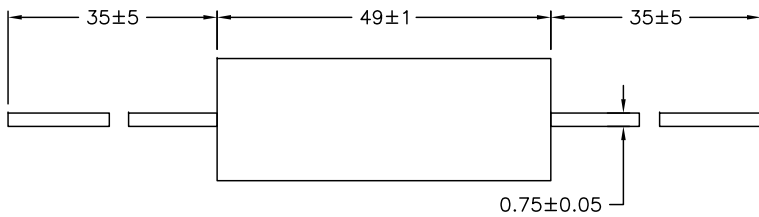
ALL RIGHTS RESERVED. NO PORTION OF THIS PUBLICATION, WHETHER IN WHOLE OR IN PART CAN BE REPRODUCED WITHOUT THE EXPRESS WRITTEN CONSENT OF SPC TECHNOLOGY.

SPC-F005.DWG

REVISIONS

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

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
2089	B	Corrected U.O.M.	JYC	4/6/10	JYC	4/6/10	JYC	4/6/10
1991	A	RELEASED	JN	05/15/09	JWM	05/15/09	JWV	05/15/09

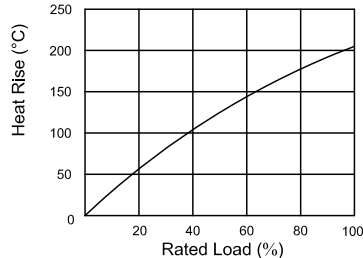
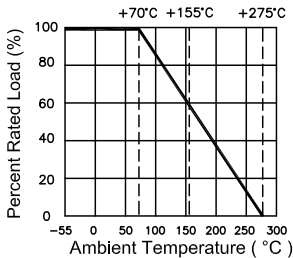


Performance Specification

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Power Film Resistor
- Power Rating: 10 Watts
- Resistance Tolerance: ±5%

Derating Curve

Heat Rise Chart



Mfg. P/N	Resistance (Ohms)
MCPRW0AWJP102B00	1k
MCPRW0AWJP103B00	10k
MCPRW0AWJP104B00	100k
MCPRW0AWJP113B00	11k
MCPRW0AWJP124B00	120k
MCPRW0AWJP134B00	130k
MCPRW0AWJP154B00	150k
MCPRW0AWJP164B00	160k
MCPRW0AWJP184B00	180k
MCPRW0AWJP204B00	200k
MCPRW0AWJP332B00	3.3k
MCPRW0AWJP392B00	3.9k
MCPRW0AWJP472B00	4.7k

Performance Specification

- Temperature coefficient: <20Ω: ±400PPM/°C; ≥20: ±350PPM/°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 ±5%
For Power film range, <100KΩ, the $\Delta R/R$ is ±5%
For Power film range, ≥100KΩ, the $\Delta R/R$ is ±10%
- Load Life: For Wire-wound range, the $\Delta R/R$ is ±5%
For Power film range, <100KΩ, the $\Delta R/R$ is ±5%
For Power film range, ≥100KΩ, the $\Delta R/R$ is ±10%
- Resistance to solderability heat: $\Delta R/R \pm(1.0\% + 0.05\Omega)$ with no evidence of mechanical damage.

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: 10 watt (Power Film) Cement Fixed Resistors			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1183	Ta-1183.DWG	B
SCALE: NTS	U.O.M.: mm	SHEET: 1 OF 1	