



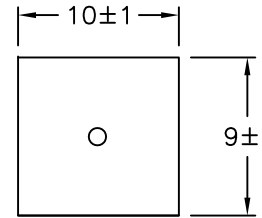
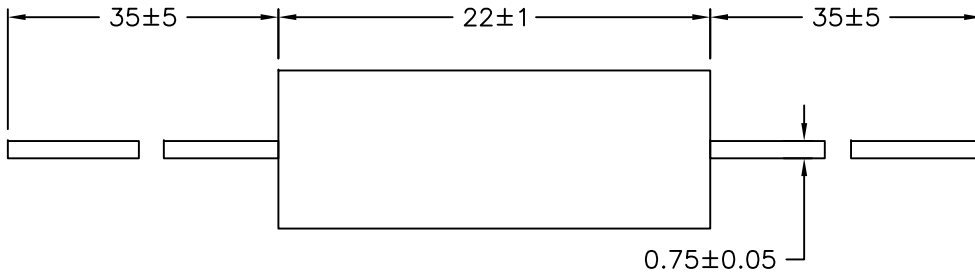
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SPC-F005.DWG

REVISIONS

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

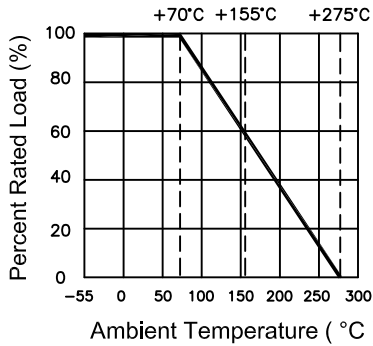
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1991	A	RELEASED	JN	05/15/09	JWM	05/15/09	JWV	05/15/09



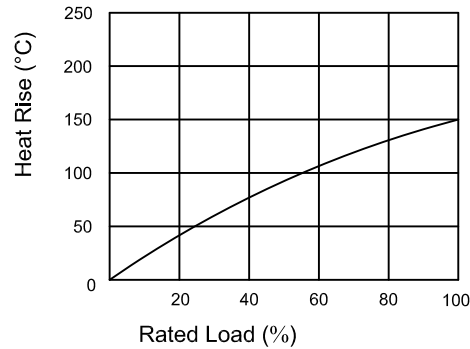
Performance Specification

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

Derating Curve



Heat Rise Chart



Performance Specification

- Temperature coefficient: <math><20\Omega: \pm 400\text{PPM}/^\circ\text{C}</math>; $\geq 20: \pm 350\text{PPM}/^\circ\text{C}$
- 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)
MCPRW05WJP202B00	2k
MCPRW05WJP301B00	300
MCPRW05WJP302B00	3k
MCPRW05WJP331B00	330
MCPRW05WJP332B00	3.3k
MCPRW05WJP333B00	33k
MCPRW05WJP363B00	36k
MCPRW05WJP391B00	390
MCPRW05WJP392B00	3.9k
MCPRW05WJP393B00	39k
MCPRW05WJP431B00	430
MCPRW05WJP433B00	43k

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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: 5watt (Power Film) Cement Fixed Resistors			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1180	Ta-1180.DWG	A
SCALE: NTS		U.O.M.: INCHES	SHEET: 1 OF 1