



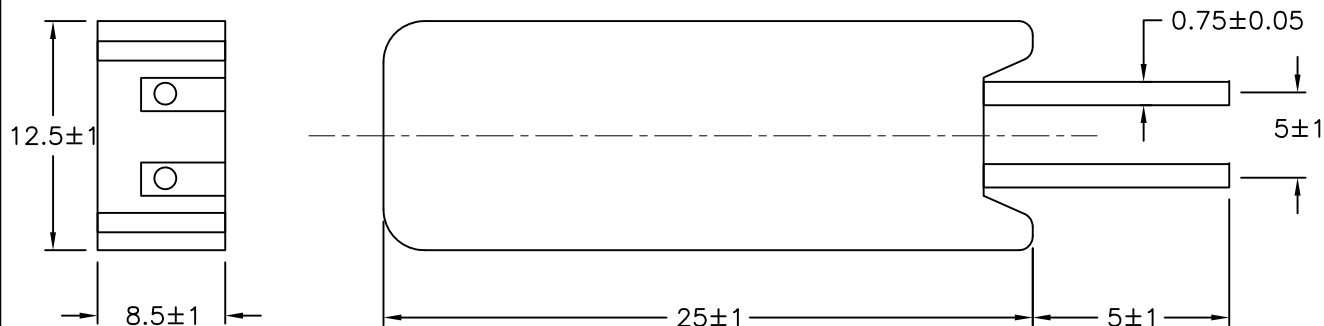
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SPC-F005.DWG

REVISIONS

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

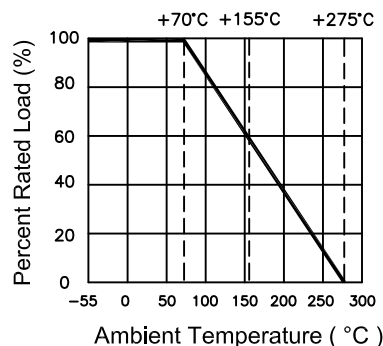
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1991	A	RELEASED	JN	05/15/09	JWM	05/15/09	JWV	05/15/09



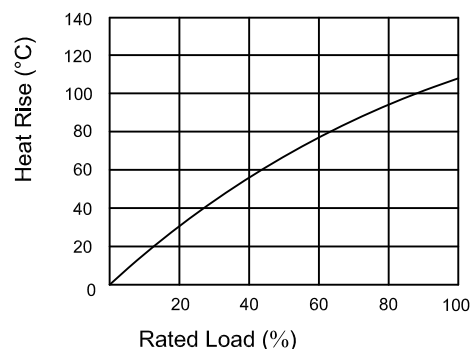
Performance Specification

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

Derating Curve



Heat Rise Chart



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.

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:

Jason Nash

CHECKED BY:

JWM

APPROVED BY:

JWM

DATE:

05/15/09

DATE:

05/15/09

DATE:

05/15/09

DRAWING TITLE:

3 watt (Wire-wound) Cement Fixed Resistors

SIZE DWG. NO.

A

Ta-1167

ELECTRONIC FILE

Ta-1167.DWG

REV

A

SCALE:

NTS

U.O.M.: Millimeters

SHEET: 1 OF 2

Mfg. P/N	Resistance (Ohms)
MCPRM03WJW100B00	10
MCPRM03WJW10JB00	1
MCPRM03WJW150B00	15
MCPRM03WJW15JB00	1.5
MCPRM03WJW27JB00	2.7
MCPRM03WJW39JB00	3.9
MCPRM03WJW43JB00	4.3
MCPRM03WJW47JB00	4.7
MCPRM03WJW56JB00	5.6
MCPRM03WJW56KB00	0.56
MCPRM03WJW68JB00	6.8
MCPRM03WJW68KB00	0.68
MCPRM03WJW75KB00	0.75
MCPRM03WJW82KB00	0.82

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SIZE DWG. NO.

A

Ta-1167

ELECTRONIC FILE

Ta-1167.dwg

REV

A

SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 2