



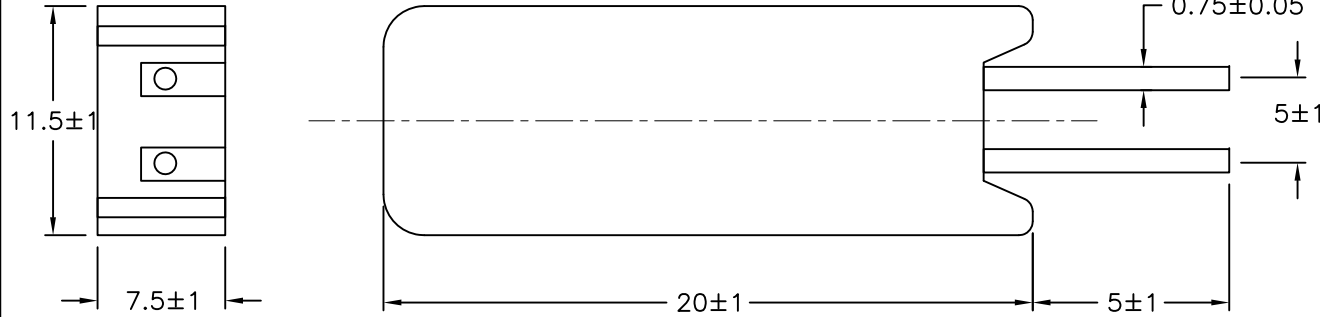
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SPC-F005.DWG

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



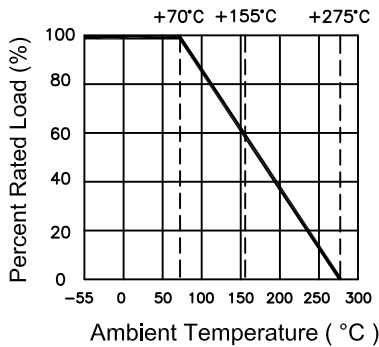
Performance Specification

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Wire-wound Resistor
- Power Rating: 2 Watts
- Resistance Tolerance: ±5%

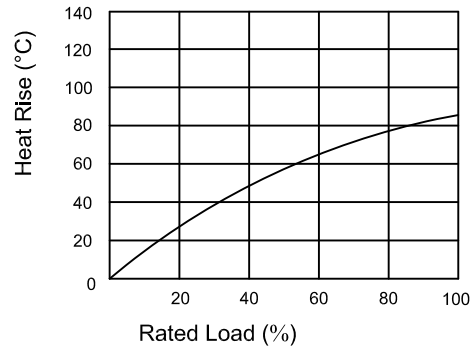
Performance Specification

- Temperature coefficient: <math><20\Omega: \pm 400\text{PPM}/^\circ\text{C}; \geq 20: \pm 350\text{PPM}/^\circ\text{C}</math>
- 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.

Derating Curve



Heat Rise Chart



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: 2 watt (Wire-wound) Cement Fixed Resistors			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1165	Ta-1165.DWG	A
SCALE:	NTS	U.O.M.: Millimeters	SHEET: 1 OF 2

Mfg. P/N	Resistance (Ohms)
MCPRM02WJW100B00	10
MCPRM02WJW10JB00	1
MCPRM02WJW10KB00	0.1
MCPRM02WJW150B00	15
MCPRM02WJW15JB00	1.5
MCPRM02WJW15KB00	0.15
MCPRM02WJW200B00	20
MCPRM02WJW20JB00	2
MCPRM02WJW20KB00	0.2
MCPRM02WJW270B00	27
MCPRM02WJW27JB00	2.7
MCPRM02WJW27KB00	0.27
MCPRM02WJW30JB00	3
MCPRM02WJW30KB00	0.3
MCPRM02WJW33JB00	3.3
MCPRM02WJW33KB00	0.33
MCPRM02WJW39JB00	3.9
MCPRM02WJW39KB00	0.39
MCPRM02WJW43JB00	4.3
MCPRM02WJW43KB00	0.43
MCPRM02WJW47JB00	4.7
MCPRM02WJW47KB00	0.47
MCPRM02WJW56JB00	5.6
MCPRM02WJW56KB00	0.56
MCPRM02WJW68JB00	6.8
MCPRM02WJW68KB00	0.68
MCPRM02WJW75JB00	7.5
MCPRM02WJW75KB00	0.75
MCPRM02WJW82JB00	8.2
MCPRM02WJW82KB00	0.82

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SIZE A	DWG. NO. Ta-1165	ELECTRONIC FILE Ta-1165.dwg	REV A
SCALE: NTS		U.O.M.: Millimeters	SHEET: 2 OF 2