



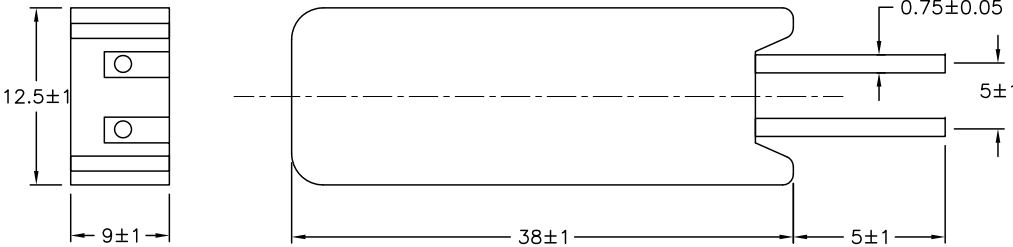
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SPC-F005.DWG

REVISIONS

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

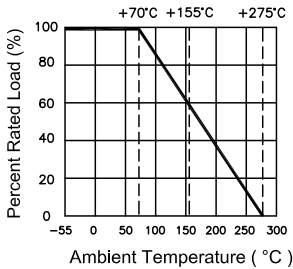
DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1991	A	RELEASED	JN	05/15/09	JWM	05/15/09	JWW	05/15/09



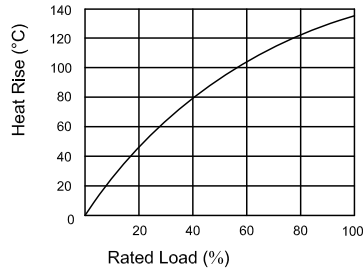
Performance Specification

- Self extinguishing
- Excellent flame and moisture resistance
- Extremely small sturdy and mechanical safe
- Product Type: Wire-wound Resistor
- Power Rating: 7 Watts
- Resistance Tolerance: ±5%

Derating Curve



Heat Rise Chart



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:			
7 watt (Wire-wound) Cement Fixed Resistors			
SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1170	Ta-1170.DWG	A
SCALE: NTS		U.O.M.: INCHES	SHEET: 1 OF 2

Mfg. P/N	Resistance (Ohms)
MCPRM07WJW27KB00	0.27
MCPRM07WJW30JB00	3
MCPRM07WJW30KB00	0.3
MCPRM07WJW33KB00	0.33
MCPRM07WJW390B00	39
MCPRM07WJW391B00	390
MCPRM07WJW39KB00	0.39
MCPRM07WJW430B00	43
MCPRM07WJW431B00	430
MCPRM07WJW43KB00	0.43
MCPRM07WJW470B00	47
MCPRM07WJW471B00	470
MCPRM07WJW47KB00	0.47
MCPRM07WJW560B00	56
MCPRM07WJW561B00	560
MCPRM07WJW56KB00	0.56
MCPRM07WJW680B00	68
MCPRM07WJW681B00	680
MCPRM07WJW68KB00	0.68
MCPRM07WJW750B00	75
MCPRM07WJW75KB00	0.75
MCPRM07WJW820B00	82
MCPRM07WJW82KB00	0.82

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SIZE DWG. NO.

A

Ta-1170

ELECTRONIC FILE

Ta-1170.dwg

REV

A

SPC-F005.DWG

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SCALE: NTS

U.O.M.: Millimeters

SHEET: 2 OF 2