



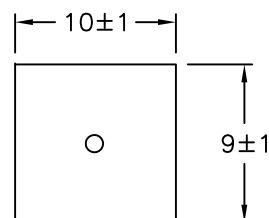
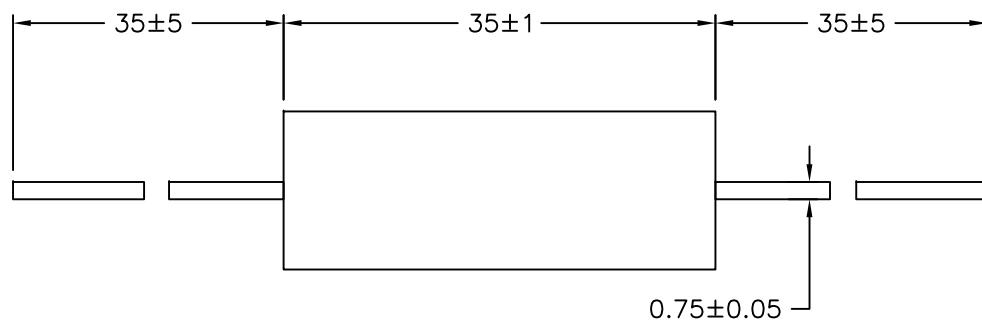
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SPC-F005.DWG

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



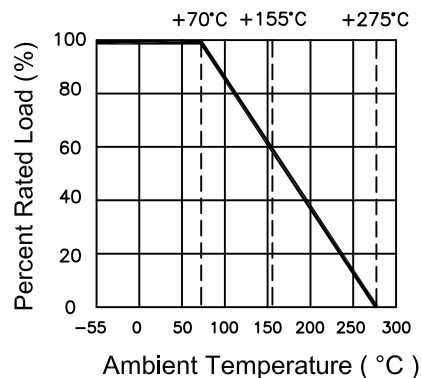
Performance Specification

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

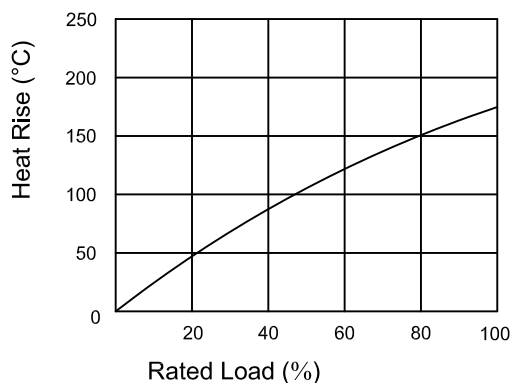
Performance Specification

- 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.

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: 7 watt (Wire-wound) Cement Fixed Resistors			
SIZE A	DWG. NO. Ta-1182	ELECTRONIC FILE Ta-1182.DWG	REV A
SCALE: NTS	U.O.M.: Millimeters	SHEET: 1 OF 2	

Mfg. P/N	Resistance (Ohms)
MCPRW07WJW100B00	10
MCPRW07WJW101B00	100
MCPRW07WJW10JB00	1
MCPRW07WJW150B00	15
MCPRW07WJW151B00	150
MCPRW07WJW200B00	20
MCPRW07WJW201B00	200
MCPRW07WJW20JB00	2
MCPRW07WJW270B00	27
MCPRW07WJW271B00	270
MCPRW07WJW300B00	30
MCPRW07WJW301B00	300
MCPRW07WJW30JB00	3
MCPRW07WJW330B00	33
MCPRW07WJW331B00	330
MCPRW07WJW390B00	39
MCPRW07WJW391B00	390
MCPRW07WJW39JB00	3.9
MCPRW07WJW430B00	43
MCPRW07WJW431B00	430
MCPRW07WJW470B00	47
MCPRW07WJW471B00	470
MCPRW07WJW560B00	56
MCPRW07WJW561B00	560
MCPRW07WJW680B00	68
MCPRW07WJW681B00	680
MCPRW07WJW750B00	75
MCPRW07WJW820B00	82

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