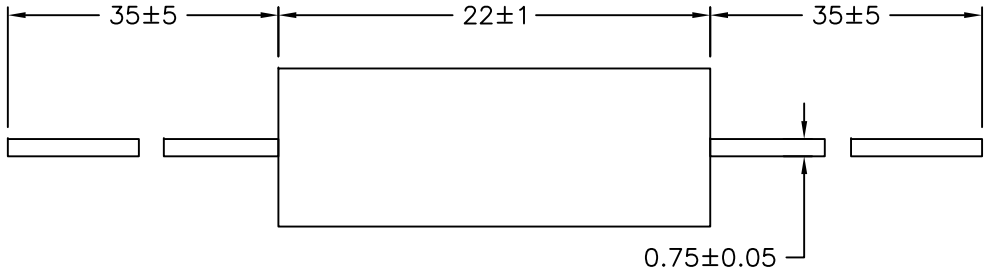
multicomp

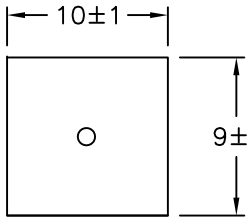
SPC-F005.DWG

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



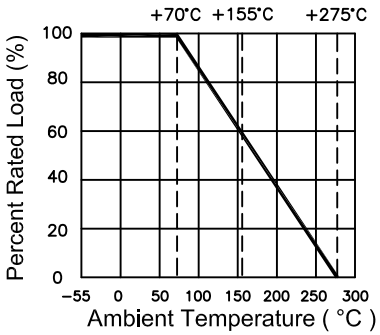


RoHS Compliant

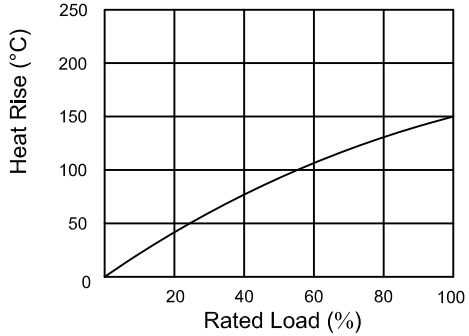
Performance Specification

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

Derating Curve



Heat Rise Chart



Mfg. P/N	Resistance (Ohms)
MCPRW05WJW100B00	10
MCPRW05WJW10JB00	1
MCPRW05WJW150B00	15
MCPRW05WJW200B00	20
MCPRW05WJW20JB00	2
MCPRW05WJW270B00	27
MCPRW05WJW300B00	30
MCPRW05WJW30JB00	3
MCPRW05WJW330B00	33
MCPRW05WJW390B00	39
MCPRW05WJW39JB00	3.9
MCPRW05WJW430B00	43
MCPRW05WJW470B00	47
MCPRW05WJW47JB00	4.7
MCPRW05WJW68JB00	6.8

Performance Specification

-Temperature coefficient: <20Ω: ±400PPM/°C; ≥20: ±350PPM/°C

-Short-time overload: Δ R/R≤ ±(5.0% + 0.05Ω), with no evidence of mechanical damage.

-Dielectric withstanding voltage: No evidence of flashover, mechanical damage, arcing or insulation breakdown.

-Teminal strength: No evidence of mechanical damage.

-Solderability: Min. 95% coverage

-Temperature cycling: Δ R/R≤ ± (2.0% + 0.05Ω), with no evidence of mechanical damage.

-Humidity (Steady State): Δ R/R≤ ±(5.0% + 0.05Ω), with no evidence of mechanical damage.

-Load life in humidity: For Wire-wound range, the Δ R/R is ±5%
For Power film range, <100KΩ, the Δ R/R is ±5%
For Power film range, ≥100KΩ, the Δ R/R is ±10%

-Load Life: For Wire-wound range, the Δ R/R is ±5%
For Power film range, <100KΩ, the Δ R/R is ±5%
For Power film range, ≥100KΩ, the Δ R/R is ±10%

-Resistance to solderability heat: Δ R/R ±(1.0% + 0.05Ω) with no evidence of mechanical damage.

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 (Wire-wound) Cement Fixed Resistors

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1181	Ta-1181.DWG	A

SCALE: NTS | U.O.M.: INCHES | SHEET: 1 OF 1