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SPC-F005.DWG

REVISIONS								
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: Power Film Resistor
- Power Rating: 10 Watts
- Resistance Tolerance: ±5%

Derating Curve

Heat Rise Chart

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.
- Terminal 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.

Mfg. P/N	Resistance (Ohms)
MCPRM0AWJP103B00	10k
MCPRM0AWJP104B00	100k
MCPRM0AWJP113B00	11k
MCPRM0AWJP124B00	120k
MCPRM0AWJP134B00	130k
MCPRM0AWJP154B00	150k
MCPRM0AWJP164B00	160k

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TOLERANCES:
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.

DRAWN BY:	DATE:	DRAWING TITLE:			
Jason Nash	05/15/09	10 watt (Power Film) Cement Fixed Resistors			
CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
JWM	05/15/09	A	Ta-1171	Ta-1171.DWG	A
APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: INCHES	SHEET: 1 OF 1
JWM	05/15/09				