



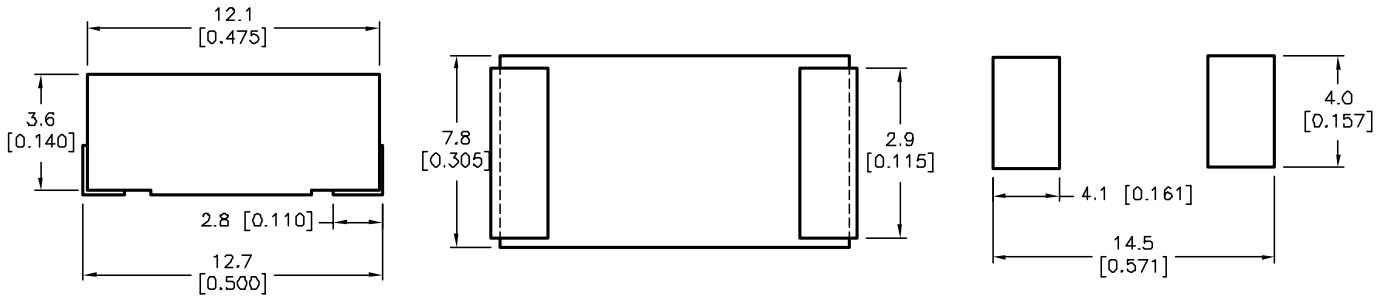
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SPC-F005.DWG

REVISIONS

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1996	A	Released	JN	11/07/08	JWM	11/07/08	JWM	11/07/08

DOC. NO. SPC-F005 * Effective: 7/8/02 * DCP No: 1308



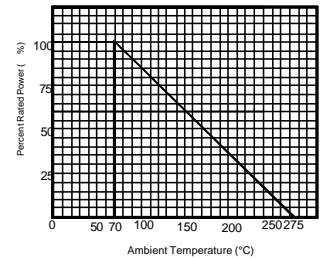
Features

- High temperature molded encapsulation
- Non-inductive types available as NSM
- Flex termination for absorbing thermal expansion
- All welded construction
- Lead-free

Performance Characteristics

Test	Results
Moisture Resistance	±1.0%
Thermal Shock	±0.5%
Load Life @70°C – 1,000 hrs.	±1.0%
Shock and Vibration	±1.0%
Resistance to Soldering Heat	±1.0%
Terminal Strength	±0.5%
Dielectric Withstanding Voltage	±0.001%/V
Short Time Overload	±0.2%
Low Temperature Operation	±0.5%

Power Derating Curve



Electrical Specifications

Power Rating (Watts) @ 70°C	Maximum Working Voltage	Resistance Temperature Coefficient	Ohmic Range and Tolerance
3W	100V	±100 ppm/°C ± 20 ppm/°C	0.1%, 0.5%, 1% & 5% 0.01 Ω - 10.0 Ω 10.2 Ω - 3.01K Ω

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	11/07/08
CHECKED BY:	DATE:
Jeff McVicker	11/07/08
APPROVED BY:	DATE:
Jeff McVicker	11/07/08

DRAWING TITLE:

Surface Mount Wirewound Resistor

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1050	Ta-1050.dwg	A
SCALE: NTS	U.Q.M.: INCHES [mm]	SHEET: 1 OF 1	



ManufPartNo	Resistance	Unit of Measure	Quantity
MCSM3W0R01 FR	0.01ohm	Tape & Cut	1 Ea.
MCSM3W0R01 FR	0.01ohm	Tape & Reel	Spool of 750
MCSM3W0R05FR	0.05ohm	Tape & Cut	1 Ea.
MCSM3W0R05FR	0.05ohm	Tape & Reel	Spool of 750
MCSM3W0R10 FR	0.1ohm	Tape & Cut	1 Ea.
MCSM3W0R10 FR	0.1ohm	Tape & Reel	Spool of 750
MCSM3W10R0FR	10ohm	Tape & Cut	1 Ea.
MCSM3W10R0FR	10ohm	Tape & Reel	Spool of 750
MCSM3W100RFR	100ohm	Tape & Cut	1 Ea.
MCSM3W100RFR	100ohm	Tape & Reel	Spool of 750
MCSM3W1001FR	1kohm	Tape & Cut	1 Ea.
MCSM3W1001FR	1kohm	Tape & Reel	Spool of 750
MCSM3W2R00FR	2ohm	Tape & Cut	1 Ea.
MCSM3W2R00FR	2ohm	Tape & Reel	Spool of 750
MCSM3W200RFR	200ohm	Tape & Cut	1 Ea.
MCSM3W200RFR	200ohm	Tape & Reel	Spool of 750
MCSM3W25R0FR	25ohm	Tape & Cut	1 Ea.
MCSM3W25R0FR	25ohm	Tape & Reel	Spool of 750
MCSM3W250RFR	250ohm	Tape & Cut	1 Ea.
MCSM3W250RFR	250ohm	Tape & Reel	Spool of 750
MCSM3W50R0FR	50ohm	Tape & Cut	1 Ea.
MCSM3W50R0FR	50ohm	Tape & Reel	Spool of 750
MCSM3W500RFR	500ohm	Tape & Cut	1 Ea.
MCSM3W500RFR	500ohm	Tape & Reel	Spool of 750

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SIZE

A

DWG. NO.

Ta-1050

ELECTRONIC FILE

Ta-1050.DWG

REV

A

SPC-F005.DWG

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SCALE: NTS

U.O.M.: INCHES [mm]

SHEET: 2 OF 2