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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
2097	A	RELEASED	JYC	8/3/10	JYC	8/3/10	JYC	8/3/10



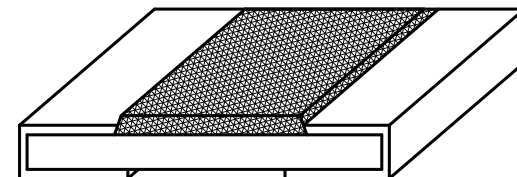
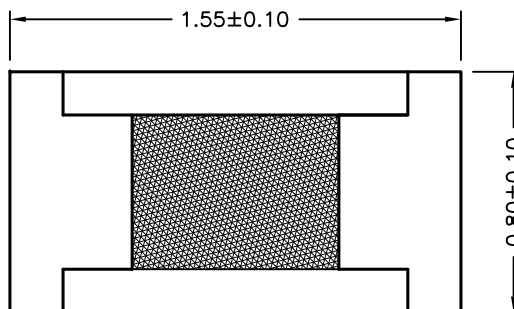
RoHS
Compliant



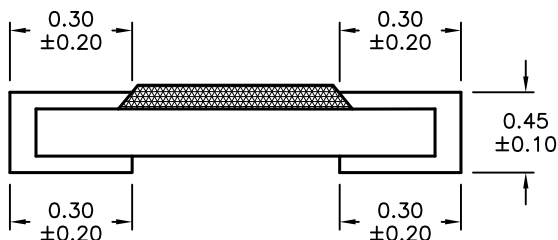
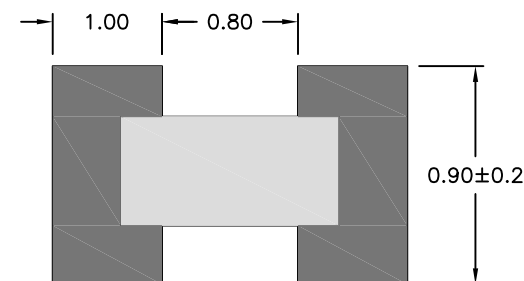
RoHS
Compliant

Features:

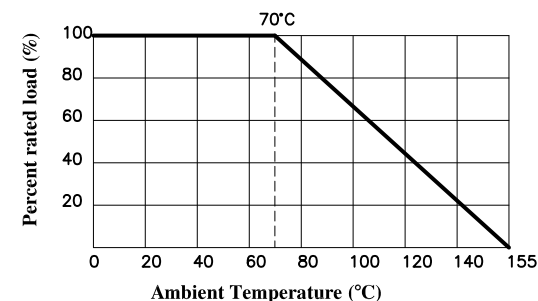
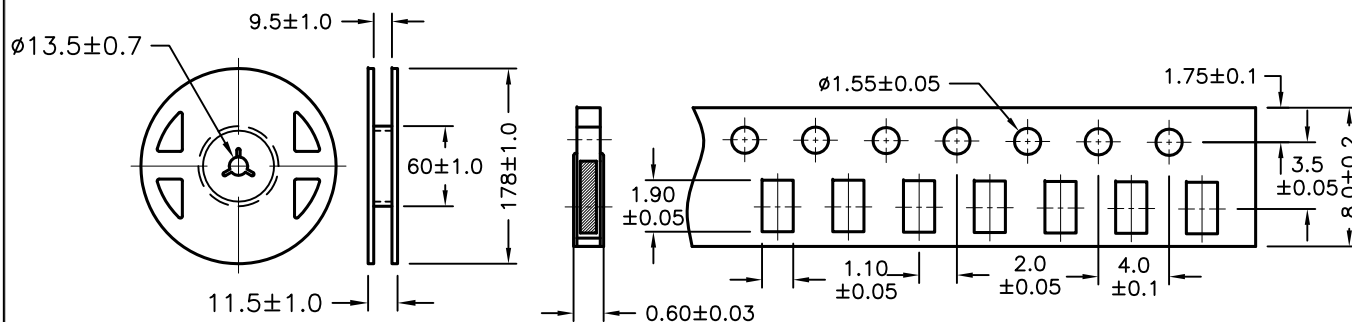
- Thin Film Passivated NiCr Resistor
- Very Tight Tolerance down to $\pm 0.05\%$
- Wide R-Value Range 4.7ohm~1Meg ohm
- Power Rating: 1/16W
- Operating Temp. Range: $-55^{\circ}\text{C} \sim +155^{\circ}\text{C}$
- Max. Operating Voltage: 50V
- Max. Overloading Voltage: 100V
- TCR (PPM/ $^{\circ}\text{C}$): $\pm 25, \pm 50$



Recommended Land Pattern



Tape & Reel Dimension



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

DRAWN BY:	DATE:
Jerrold Chen	8/3/10
CHECKED BY:	DATE:
Jerrold Chen	8/3/10
APPROVED BY:	DATE:
Jerrold Chen	8/3/10

DRAWING TITLE:
Thin Film Precision Resistor, EIA Size 0603, 1/16 Watt

SIZE	DWG. NO.	ELECTRONIC FILE	REV
A	Ta-1007	Ta-1007.DWG	A
SCALE:	NTS	U.O.M.: Millimeters	SHEET: 1 OF 2

Manufacturers part number	Resistance	Resistance Tolerance	Resistor Case Style	Power Rating
MCTF0603BTC1000	100 ohm	± 0.1%	603	62.5 mW
MCTF0603BTC1001	1 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1002	10 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1003	100 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1203	120 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1502	15 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC2002	20 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC2203	220 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC3001	3 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC3002	30 kohm	± 0.1%	805	62.5 mW
MCTF0603BTC3301	3.3 kohm	± 0.1%	805	62.5 mW
MCTF0603BTC1000	100 ohm	± 0.1%	603	62.5 mW
MCTF0603BTC1001	1 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1002	10 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1003	100 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1203	120 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC1502	15 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC2002	20 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC2203	220 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC3001	3 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC3002	30 kohm	± 0.1%	603	62.5 mW
MCTF0603BTC3301	3.3 kohm	± 0.1%	603	62.5 mW
MCTF0603TTZ1000	100 ohm	± 0.01%	603	62.5 mW
MCTF0603TTZ1001	1 kohm	± 0.01%	603	62.5 mW
MCTF0603TTZ1002	10 kohm	± 0.01%	603	62.5 mW
MCTF0603TTY1001	1 kohm	± 0.01%	603	62.5 mW
MCTF0603TTY1002	10 kohm	± 0.01%	603	62.5 mW
MCTF0603TTY1003	100 kohm	± 0.01%	603	62.5 mW
MCTF0603TTX1001	1 kohm	± 0.01%	603	62.5 mW
MCTF0603TTX1002	10 kohm	± 0.01%	603	62.5 mW
MCTF0603TTX1003	100 kohm	± 0.01%	603	62.5 mW
MCTF0603ATZ750	75 ohm	± 0.05%	603	62.5 mW
MCTF0603ATZ1502	1.5 kohm	± 0.05%	603	62.5 mW
MCTF0603ATZ3001	3 kohm	± 0.05%	603	62.5 mW
MCTF0603ATZ3301	3.3 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY1203	120 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY1502	15 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY2002	20 kohm	± 0.05%	603	62.5 mW

Manufacturers part number	Resistance	Resistance Tolerance	Resistor Case Style	Power Rating
MCTF0603ATY2203	220 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY3001	3 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY3002	30 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY3301	3.3 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX1203	120 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX1502	15 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX2002	20 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX2203	220 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX3001	3 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX3002	30 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX3301	3.3 kohm	± 0.05%	603	62.5 mW
MCTF0603TTZ1000	100 ohm	± 0.01%	603	31.25 mW
MCTF0603TTZ1001	1 kohm	± 0.01%	603	31.25 mW
MCTF0603TTZ1002	10 kohm	± 0.01%	603	31.25 mW
MCTF0603TTY1001	1 kohm	± 0.01%	603	62.5 mW
MCTF0603TTY1002	10 kohm	± 0.01%	603	62.5 mW
MCTF0603TTY1003	100 kohm	± 0.01%	603	62.5 mW
MCTF0603TTX1001	1 kohm	± 0.01%	603	100 mW
MCTF0603TTX1002	10 kohm	± 0.01%	603	100 mW
MCTF0603TTX1003	100 kohm	± 0.01%	603	100 mW
MCTF0603ATZ750	75 ohm	± 0.05%	603	31.25 mW
MCTF0603ATZ1502	15 kohm	± 0.05%	603	31.25 mW
MCTF0603ATZ3001	3 kohm	± 0.05%	603	31.25 mW
MCTF0603ATZ3301	3.3 kohm	± 0.05%	603	31.25 mW
MCTF0603ATY1203	120 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY1502	15 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY2002	20 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY2203	220 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY3001	3 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY3002	30 kohm	± 0.05%	603	62.5 mW
MCTF0603ATY3301	3.3 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX1203	120 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX1502	15 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX2002	20 kohm	± 0.05%	603	62.5 mW
MCTF0603ATX2203	220 kohm	± 0.05%	603	100 mW
MCTF0603ATX3001	3 kohm	± 0.05%	603	100 mW
MCTF0603ATX3002	30 kohm	± 0.05%	603	100 mW
MCTF0603ATX3301	3.3 kohm	± 0.05%	603	100 mW

Manufacturers part number	Kit Contents	Resistance Tolerance	TCR (PPM/°C)
MCTF0603DTCKIT	E24 resistors	5%	25%

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SIZE A	DWG. NO. Ta-1007	ELECTRONIC FILE Ta-1007.DWG	REV A
SCALE: NTS	U.O.M.:	SHEET: 2 OF 2	