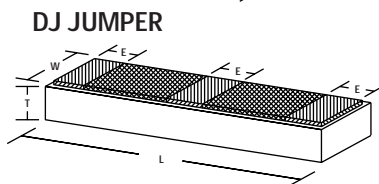
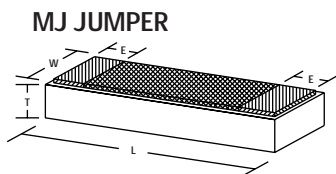
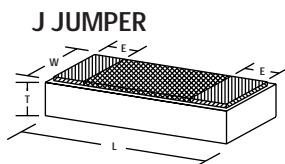
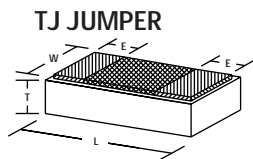


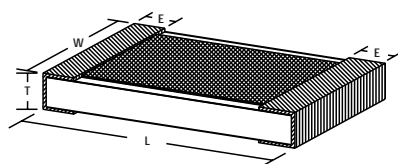
THICK FILM JUMPERS

TJ, J, MJ, DJ, & WAJ SERIES JUMPERS

These glass insulated, "0-Ohm", gold jumpers are ideally suited for providing interconnections and wiring crossovers in the fabrication of "chip and wire" type microelectronic modules. These jumpers allow for prototype and small quantity circuitry layouts without the need for special conductor patterns.



WRAP AROUND JUMPER



TOP CONTACT SERIES

MSI STYLE	L	W	T	E	TOLERANCE	MAX RESISTANCE
TJ	0.045" x	0.017" x	0.011"	0.010"	±0.002"	0.020Ω
J	0.065" x	0.017" x	0.011"	0.010"	±0.002"	0.025Ω
MJ	0.100" x	0.017" x	0.011"	0.015"	±0.002"	0.040Ω
DJ	0.130" x	0.017" x	0.011"	0.015**	±0.002"	0.050Ω

CUSTOM SIZES AVAILABLE, CONSULT SALES

SUBSTRATE 96% ALUMINA
OTHER SUBSTRATE MATERIALS AVAILABLE UPON REQUEST
METALLIZATION GOLD; 11 MICRONS NOMINAL; SOLDER OPTIONAL
INSULATION GLASS, 10 MICRONS NOMINAL
MAXIMUM CURRENT 1.5 AMPS

PART NUMBER DESIGNATION

EXAMPLE: TJ-JUMPER. (0.045" x 0.017" x 0.011") JUMPER, 0.020Ω MAX RESISTANCE.

TJ — JUMPER
MSI STYLE
TJ, J
MJ, DJ

NOTES: *Style DJ has a center pad. Size 0.010" ±0.002".

Packaging Options; Bulk Pack Standard, Consult Sales for other options.

WRAP AROUND JUMPER SERIES

MSI STYLE	MSI TYPE	L	W	T	E	TOLERANCE
WAJ	5	0.105" x	0.025" x	0.017"	0.020"	±0.005"
WAJ	80	0.155" x	0.050" x	0.022"	0.015"	±0.005"
WAJ	81	0.055" x	0.025" x	0.017"	0.015"	±0.005"
WAJ	82	0.055" x	0.050" x	0.017"	0.015"	±0.005"
WAJ	86	0.080" x	0.050" x	0.022"	0.015"	±0.005"
WAJ	87	0.126" x	0.063" x	0.022"	0.019"	±0.005"

CUSTOM SIZES AVAILABLE, CONSULT SALES

SUBSTRATE 96% ALUMINA
OTHER SUBSTRATE MATERIALS AVAILABLE UPON REQUEST
METALLIZATION PALLADIUM SILVER, PLATINUM GOLD.
INSULATION UNTINNED OR SOLDER OVER NICKEL BARRIER OPTIONAL.
GLASS
MAXIMUM RESISTANCE 0.100Ω**, VALUES TO 0.010Ω AVAILABLE. CONSULT SALES.
MAXIMUM CURRENT 1.5 AMPS

PART NUMBER DESIGNATION

EXAMPLE: WAJ81PG-NS62TR: (0.055 x 0.025 x 0.017), Pt Gold Term., Ni Barrier, Sn62 Solder, Tape and Reel

WAJ	81	PG	—	NS62	TR
MSI STYLE	MSI TYPE	BASE METAL		METAL / SOLDER OPTIONS	OPTIONS
WAJ	See Above List*	PG = Platinum Gold PS = Palladium Silver		NS62 = Nickel, Sn62 NU = Nickel, No Solder S62 = Sn62 U = No Solder	TR = Tape and Reel X = Special Requirements Code Available from Sales Agent.

NOTES: Packaging Options: Bulk Pack Standard, Consult Sales for other options.

* All MSR and WA series resistors are available as jumpers. Consult sales.

**Values dependent on mounting method.



THICK FILM DIVISION

MADE IN AMERICA

8026 Rev A 0199

MINI-SYSTEMS, INC. 20 DAVID RD., P.O. BOX 69

NORTH ATTLEBORO, MA 02761-0069

(508) 695-0203 FAX: (508) 695-6076

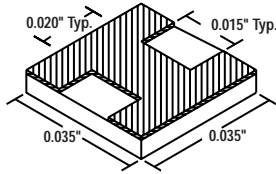
E-mail: msithick@mini-systemsinc.com

Web site: <http://www.Mini-SystemsInc.com>

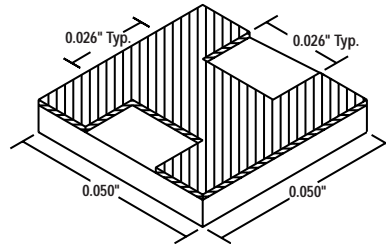
MOUNTING PADS AND KITS

THICK FILM GOLD MOUNTING PADS

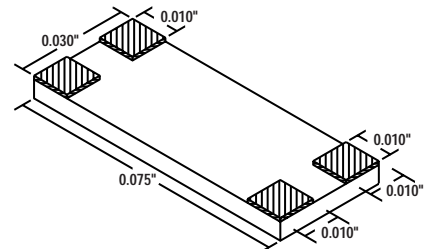
SF1 PAD



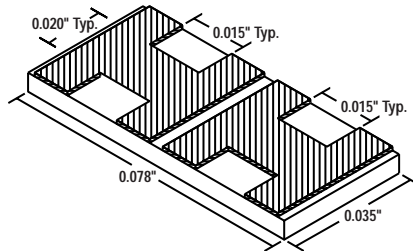
SF2 PAD



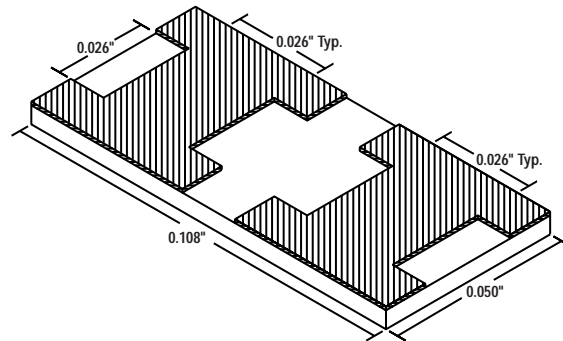
TFR1 PAD



DF1 PAD



DF2 PAD



PART NUMBER DESIGNATION

EXAMPLE: DF1 PAD: (0.078 x 0.035) Mounting Pad

DF	1	X
MSI STYLE	MSI TYPE	OPTIONS
SF	1	X= Special Requirements Code Available from Sales Agent.
SF	2	
TFR	1	
DF	1	
DF	2	

NOTES: Substrate Material: 96% Alumina, 0.010" Thick
Tolerance on all dimensions; (± 0.003).
Packaging Options: Bulk Pack Standard, Waffle Pack Optional.
Custom Configurations Available. Consult Sales.

THICK FILM JUMPER AND MOUNTING PAD KITS

JUMPER KIT CONTENTS

100 PIECES - TJ JUMPER
100 PIECES - J JUMPER
100 PIECES - MJ JUMPER
70 PIECES - DJ JUMPER

COMBO KIT CONTENTS

35 PIECES - TJ JUMPER
35 PIECES - J JUMPER
35 PIECES - MJ JUMPER
20 PIECES - DJ JUMPER
70 PIECES - SF1 PAD
35 PIECES - DF1 PAD
35 PIECES - DF2 PAD
35 PIECES - TFR1 PAD

PART NUMBER DESIGNATION

MSI STYLE

JKIT: JUMPER KIT
CKIT: COMBO KIT

NOTES: Packaging Options: Bulk Pack Standard, Waffle Pack Optional.
Custom Kits Available. Consult Sales.



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